

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:
SANDIP MINHAS
MICROSOFT CORPORATION
ATTN: PATENT GROUP DOCKETING (BLDG.
8/1000)
ONE MICROSOFT WAY
REDMOND, WASHINGTON 98052-6399

NOTIFICATION CONCERNING PAYMENT OF PRESCRIBED FEES

(PCT Rules 12bis.1(c), 14, 15 and 16
and Administrative Instructions,
Sections 102bis(c), 304, 323(b) and 707)

		Date of mailing (day/month/year)	15 Sep 2015
Applicant's or agent's file reference 355674-02		PAYMENT DUE see item 3 for time limits	
International application No. PCT/US2015/048759	International filing date/Date of receipt (day/month/year)	07 Sep 2015	Priority date (day/month/year) 12 Sep 2014
Applicant MICROSOFT TECHNOLOGY LICENSING, LLC			

1. The applicant is hereby notified that this receiving Office has received:

- the payment of all the prescribed fees, and an overpayment, which will be refunded in due course.
- no or insufficient payment of the prescribed fees and the applicant is hereby invited to pay the balance due, as summarized under item 2, within the time limit(s) indicated under item 3.

2. Fees and payment calculation:

3,765.00	-----	3,765.00	-----	0.00
Total fees payable	-----	Amount paid	-----	Balance

- The details of the calculation are given in the Annex.

3. Time limit(s) for payment and amount(s) payable (Rules 14.1, 15.3 and 16.1(f)):

- within ONE MONTH from the date of receipt of the international application (for the transmittal fee (if any), the search fee and the international filing fee). The amount payable for each fee is the amount applicable on the date of receipt of the international application.
- within 16 MONTHS from the priority date (only for the fee for priority document). The applicant's attention is drawn to the fact that the request made by the applicant under Rule 17.1(b) will be considered not to have been made unless the fee is paid within that time limit.

4. Additional observations (if necessary):

- The search copy will not be transmitted to the International Searching Authority until the search fee is paid (therefore the start of the international search will be delayed) (Rule 23.1(a) and (b)).

Name and mailing address of the receiving Office Mail Stop PCT, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 Facsimile No. 571-273-8300	Authorized officer Jon Kurtz Telephone No. 703-756-1216
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ANNEX TO FORM PCT/RO/102
CALCULATION OF THE PRESCRIBED FEES
(If a reduced fee has been applied, the reduced amount is indicated.)

International application No.

PCT/US2015/048759

I Transmittal Fee

Prescribed amount:	240.00 <input type="checkbox"/>
Amount paid:	240.00 <input type="checkbox"/>
Balance:	0.00 <input type="checkbox"/>

- correct amount
- overpayment
- balance due

S Search Fee

Prescribed amount:	2,125.00 <input type="checkbox"/>
Amount paid:	2,125.00 <input type="checkbox"/>
Balance:	0.00 <input type="checkbox"/>

- correct amount
- overpayment
- balance due

I International Filing Fee

Prescribed amount:

Fixed amount for first 30 sheets:	1,176.00 <input type="checkbox"/>
14 x	16.00 = 224.00 <input type="checkbox"/>

Number of sheets Fee per sheet
in excess of 30

*(excluding pages referred
to in Section 707(a-bis))*

Reduction where the international application is filed
(See PCT Fee tables <http://www.wipo.int/pct/en/fees.pdf>):

in electronic form, the request not being in
character coded format = 0.00

or

inelectronic form, the request being in character
coded format = 0.00

or

in electronic form, the request, description,
claims and abstract being in character coded
format = 0.00

Sub-total: = 1,400.00

*Applicants from certain States are entitled to a reduction of 90% of the
international filing fee. Where the applicant is (or all applicants are) so
entitled, the total to be entered at I is 10% of the sub-total entered at
(I1+i2-r); (see Notes to the Fee Calculation Sheet as annexed to the
Request Form, PCT/RO/101, for details): = 1,400.00*

1,400.00

1,400.00

0.00

- correct amount
- overpayment
- balance due

Amount paid: = 0.00

Balance: = 0.00

P Fee for Priority Document

Prescribed amount:	0.00 <input type="checkbox"/>
Amount paid:	0.00 <input type="checkbox"/>
Balance:	0.00 <input type="checkbox"/>

- correct amount
- overpayment
- balance due

ES Fee for Earlier Search Documents

Prescribed amount:	0.00 <input type="checkbox"/>
Amount paid:	0.00 <input type="checkbox"/>
Balance:	0.00 <input type="checkbox"/>

- correct amount
- overpayment
- balance due

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:

SANDIP MINHAS
MICROSOFT CORPORATION
ATTN: PATENT GROUP DOCKETING (BLDG.
8/1000)
ONE MICROSOFT WAY
REDMOND, WASHINGTON 98052-6399

Confirmation No: 9341

NOTIFICATION OF THE INTERNATIONAL APPLICATION NUMBER AND OF THE INTERNATIONAL FILING DATE

(PCT Rule 20.2(c))

Confirmation No: 9341		Date of mailing (day/month/year)	15 Sep 2015
Applicant's or agent's file reference 355674-02		IMPORTANT NOTIFICATION	
International application No. PCT/US2015/048759	International filing date (day/month/year) 07 Sep 2015	Priority date (day/month/year) 12 Sep 2014	
Applicant MICROSOFT TECHNOLOGY LICENSING, LLC			
Title of the invention IMPLEMENTING FILE-BASED PROTOCOL FOR REQUEST PROCESSING			

1. The applicant is hereby notified that the international application has been accorded the international application number and the international filing date indicated above.

2. The applicant is further notified that the record copy of the international application:

- was transmitted to the International Bureau on _____ .
 has not yet been transmitted to the International Bureau for the reason indicated below and a copy of this notification has been sent to the International Bureau*:
 because the necessary national security clearance has not yet been obtained.
 because (reason to be specified): _____

15 Sep 2015

* The International Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c)).

3. FOREIGN TRANSMITTAL LICENSE INFORMATION		Completed by: JK
<input type="checkbox"/> Additional license for foreign transmittal not required. This subject matter is covered by a license already granted or the equivalent U.S. national application. Refer to that license for information concerning its scope.		
<input type="checkbox"/> License for foreign transmittal not required. 37 CFR 5.11(e)(1) or 37 CFR 5.11(e)(2). However, a license may be required for additional subject matter. See 37 CFR 5.15(b).		
<input checked="" type="checkbox"/> Foreign transmittal license granted. 35 U.S.C. 184; 37 CFR 5.11 on _____ :		14 Sep 2015 (date)
<input type="checkbox"/> 37 CFR 5.15(a)		<input checked="" type="checkbox"/> 37 CFR 5.15(b)

Name and mailing address of the receiving Office Mail Stop PCT, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 Facsimile No. 571-273-8300	Authorized officer Jon Kurtz Telephone No. 703-756-1216
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PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:
SANDIP MINHAS MICROSOFT CORPORATION ATTN: PATENT GROUP DOCKETING (BLDG. 8/1000) ONE MICROSOFT WAY REDMOND, WASHINGTON 98052-6399

NOTIFICATION CONCERNING PAYMENT OF PRESCRIBED FEES

(PCT Rules 12bis.1(c), 14, 15 and 16
and Administrative Instructions,
Sections 102bis(c), 304, 323(b) and 707)

Date of mailing (day/month/year)	15 Sep 2015	
Applicant's or agent's file reference 341459-02	PAYMENT DUE see item 3 for time limits	
International application No. PCT/US2015/048444	International filing date/Date of receipt (day/month/year) 04 Sep 2015	Priority date (day/month/year) 05 Sep 2014
Applicant MICROSOFT TECHNOLOGY LICENSING, LLC		

1. The applicant is hereby notified that this receiving Office has received:

- the payment of all the prescribed fees, and an overpayment, which will be refunded in due course.
- no or insufficient payment of the prescribed fees and the applicant is hereby invited to pay the balance due, as summarized under item 2, within the time limit(s) indicated under item 3.

2. Fees and payment calculation:

4,021.00	4,021.00	0.00
----- Total fees payable	----- Amount paid	----- Balance

- The details of the calculation are given in the Annex.

3. Time limit(s) for payment and amount(s) payable (Rules 14.1, 15.3 and 16.1(f)):

- within ONE MONTH from the date of receipt of the international application (for the transmittal fee (if any), the search fee and the international filing fee). The amount payable for each fee is the amount applicable on the date of receipt of the international application.
- within 16 MONTHS from the priority date (only for the fee for priority document). The applicant's attention is drawn to the fact that the request made by the applicant under Rule 17.1(b) will be considered not to have been made unless the fee is paid within that time limit.

4. Additional observations (if necessary):

- The search copy will not be transmitted to the International Searching Authority until the search fee is paid (therefore the start of the international search will be delayed) (Rule 23.1(a) and (b)).

Name and mailing address of the receiving Office Mail Stop PCT, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 Facsimile No. 571-273-8300	Authorized officer Rita Dozier Telephone No. (571) 272-8669
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ANNEX TO FORM PCT/RO/102
CALCULATION OF THE PRESCRIBED FEES
(If a reduced fee has been applied, the reduced amount is indicated.)

International application No.

PCT/US2015/048444

I Transmittal Fee

Prescribed amount:	240.00	[T]
Amount paid:	240.00	
Balance:	0.00	=

- correct amount
- overpayment
- balance due

S Search Fee

Prescribed amount:	2,125.00	[S]
Amount paid:	2,125.00	
Balance:	0.00	=

- correct amount
- overpayment
- balance due

I International Filing Fee

Prescribed amount:

Fixed amount for first 30 sheets:	1,176.00	[i1]		
30 x	16.00	=	480.00	[i2]

Number of sheets Fee per sheet
in excess of 30

*(excluding pages referred
to in Section 707(a-bis))*

Reduction where the international application is filed
(See PCT Fee tables <http://www.wipo.int/pct/en/fees.pdf>):

in electronic form, the request not being in
character coded format = 0.00 [r]

or

inelectronic form, the request being in character
coded format = 0.00 [r]

or

in electronic form, the request, description,
claims and abstract being in character coded
format = 0.00 [r]

Sub-total: = 1,656.00 [i1+i2-r]

*Applicants from certain States are entitled to a reduction of 90% of the
international filing fee. Where the applicant is (or all applicants are) so
entitled, the total to be entered at I is 10% of the sub-total entered at
(i1+i2-r); (see Notes to the Fee Calculation Sheet as annexed to the
Request Form, PCT/RO/101, for details): =*

1,656.00 [I]

1,656.00

0.00

- correct amount
- overpayment
- balance due

Amount paid: =

Balance: =

P Fee for Priority Document

Prescribed amount:	0.00	[P]
Amount paid:	0.00	
Balance:	0.00	=

- correct amount
- overpayment
- balance due

ES Fee for Earlier Search Documents

Prescribed amount:	0.00	[ES]
Amount paid:	0.00	
Balance:	0.00	=

- correct amount
- overpayment
- balance due

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:

SANDIP MINHAS
MICROSOFT CORPORATION
ATTN: PATENT GROUP DOCKETING (BLDG.
8/1000)
ONE MICROSOFT WAY
REDMOND, WASHINGTON 98052-6399

Confirmation No: 9562

NOTIFICATION OF THE INTERNATIONAL APPLICATION NUMBER AND OF THE INTERNATIONAL FILING DATE

(PCT Rule 20.2(c))

Confirmation No: 9562		Date of mailing (day/month/year)	15 Sep 2015
Applicant's or agent's file reference 341459-02		IMPORTANT NOTIFICATION	
International application No. PCT/US2015/048444	International filing date (day/month/year) 04 Sep 2015	Priority date (day/month/year) 05 Sep 2014	
Applicant MICROSOFT TECHNOLOGY LICENSING, LLC			
Title of the invention COLLECTING ANNOTATIONS FOR A DOCUMENT BY AUGMENTING THE DOCUMENT			

1. The applicant is hereby notified that the international application has been accorded the international application number and the international filing date indicated above.

2. The applicant is further notified that the record copy of the international application:

- was transmitted to the International Bureau on 15 Sep 2015.
- has not yet been transmitted to the International Bureau for the reason indicated below and a copy of this notification has been sent to the International Bureau*:
- because the necessary national security clearance has not yet been obtained.
- because (*reason to be specified*):

* The International Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c)).

3. FOREIGN TRANSMITTAL LICENSE INFORMATION		Completed by: RD
<input type="checkbox"/> Additional license for foreign transmittal not required. This subject matter is covered by a license already granted or the equivalent U.S. national application. Refer to that license for information concerning its scope.		
<input type="checkbox"/> License for foreign transmittal not required. 37 CFR 5.11(e)(1) or 37 CFR 5.11(e)(2). However, a license may be required for additional subject matter. See 37 CFR 5.15(b).		
<input checked="" type="checkbox"/> Foreign transmittal license granted. 35 U.S.C. 184; 37 CFR 5.11 on <u>14 Sep 2015</u> :		(date)
<input type="checkbox"/> 37 CFR 5.15(a)		<input checked="" type="checkbox"/> 37 CFR 5.15(b)

Name and mailing address of the receiving Office Mail Stop PCT, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 Facsimile No. 571-273-8300	Authorized officer Rita Dozier Telephone No. (571) 272-8669
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PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:
SANDIP MINHAS MICROSOFT CORPORATION ATTN: PATENT GROUP DOCKETING (BLDG. 8/1000) ONE MICROSOFT WAY REDMOND, WASHINGTON 98052-6399

NOTIFICATION CONCERNING PAYMENT OF PRESCRIBED FEES

(PCT Rules 12bis.1(c), 14, 15 and 16
and Administrative Instructions,
Sections 102bis(c), 304, 323(b) and 707)

Date of mailing (day/month/year)	15 Sep 2015	
Applicant's or agent's file reference 341433-02	PAYMENT DUE see item 3 for time limits	
International application No. PCT/US2015/048443	International filing date/Date of receipt (day/month/year) 04 Sep 2015	Priority date (day/month/year) 05 Sep 2014
Applicant MICROSOFT TECHNOLOGY LICENSING, LLC		

1. The applicant is hereby notified that this receiving Office has received:

- the payment of all the prescribed fees, and an overpayment, which will be refunded in due course.
- no or insufficient payment of the prescribed fees and the applicant is hereby invited to pay the balance due, as summarized under item 2, within the time limit(s) indicated under item 3.

2. Fees and payment calculation:

4,005.00	-----	4,005.00	-----	= 0.00
Total fees payable	-----	Amount paid	-----	Balance

- The details of the calculation are given in the Annex.

3. Time limit(s) for payment and amount(s) payable (Rules 14.1, 15.3 and 16.1(f)):

- within ONE MONTH from the date of receipt of the international application (for the transmittal fee (if any), the search fee and the international filing fee). The amount payable for each fee is the amount applicable on the date of receipt of the international application.
- within 16 MONTHS from the priority date (only for the fee for priority document). The applicant's attention is drawn to the fact that the request made by the applicant under Rule 17.1(b) will be considered not to have been made unless the fee is paid within that time limit.

4. Additional observations (if necessary):

- The search copy will not be transmitted to the International Searching Authority until the search fee is paid (therefore the start of the international search will be delayed) (Rule 23.1(a) and (b)).

Name and mailing address of the receiving Office Mail Stop PCT, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 Facsimile No. 571-273-8300	Authorized officer Rita Dozier Telephone No. (571) 272-8669
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------

ANNEX TO FORM PCT/RO/102
CALCULATION OF THE PRESCRIBED FEES
(If a reduced fee has been applied, the reduced amount is indicated.)

International application No.

PCT/US2015/048443

I Transmittal Fee

Prescribed amount:	240.00	[T]
Amount paid:	240.00	
Balance:	0.00	=

- correct amount
- overpayment
- balance due

S Search Fee

Prescribed amount:	2,125.00	[S]
Amount paid:	2,125.00	
Balance:	0.00	=

- correct amount
- overpayment
- balance due

I International Filing Fee

Prescribed amount:

Fixed amount for first 30 sheets:	1,176.00	[i1]		
29 x	16.00	=	464.00	[i2]

Number of sheets Fee per sheet
in excess of 30

*(excluding pages referred
to in Section 707(a-bis))*

Reduction where the international application is filed
(See PCT Fee tables <http://www.wipo.int/pct/en/fees.pdf>):

in electronic form, the request not being in
character coded format = 0.00 [r]

or

inelectronic form, the request being in character
coded format = 0.00 [r]

or

in electronic form, the request, description,
claims and abstract being in character coded
format = 0.00 [r]

Sub-total: = 1,640.00 [i1+i2-r]

*Applicants from certain States are entitled to a reduction of 90% of the
international filing fee. Where the applicant is (or all applicants are) so
entitled, the total to be entered at I is 10% of the sub-total entered at
(i1+i2-r); (see Notes to the Fee Calculation Sheet as annexed to the
Request Form, PCT/RO/101, for details): =*

1,640.00 [I]

1,640.00

0.00

- correct amount
- overpayment
- balance due

Amount paid: =

Balance: =

P Fee for Priority Document

Prescribed amount:	0.00	[P]
Amount paid:	0.00	
Balance:	0.00	=

- correct amount
- overpayment
- balance due

ES Fee for Earlier Search Documents

Prescribed amount:	0.00	[ES]
Amount paid:	0.00	
Balance:	0.00	=

- correct amount
- overpayment
- balance due

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:

SANDIP MINHAS
MICROSOFT CORPORATION
ATTN: PATENT GROUP DOCKETING (BLDG.
8/1000)
ONE MICROSOFT WAY
REDMOND, WASHINGTON 98052-6399

Confirmation No: 3733

NOTIFICATION OF THE INTERNATIONAL APPLICATION NUMBER AND OF THE INTERNATIONAL FILING DATE

(PCT Rule 20.2(c))

Confirmation No: 3733		Date of mailing (day/month/year)	15 Sep 2015
Applicant's or agent's file reference 341433-02		IMPORTANT NOTIFICATION	
International application No. PCT/US2015/048443	International filing date (day/month/year) 04 Sep 2015	Priority date (day/month/year) 05 Sep 2014	
Applicant MICROSOFT TECHNOLOGY LICENSING, LLC			
Title of the invention CREATING AN ANNOTATION PANE FOR A DOCUMENT BY AUGMENTING THE			

1. The applicant is hereby notified that the international application has been accorded the international application number and the international filing date indicated above.	
2. The applicant is further notified that the record copy of the international application:	
<input checked="" type="checkbox"/> was transmitted to the International Bureau on _____ . <input type="checkbox"/> has not yet been transmitted to the International Bureau for the reason indicated below and a copy of this notification has been sent to the International Bureau*: <input type="checkbox"/> because the necessary national security clearance has not yet been obtained. <input type="checkbox"/> because (reason to be specified):	
15 Sep 2015	

* The International Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c)).

3. FOREIGN TRANSMITTAL LICENSE INFORMATION		Completed by: RD
<input type="checkbox"/> Additional license for foreign transmittal not required. This subject matter is covered by a license already granted or the equivalent U.S. national application. Refer to that license for information concerning its scope.		
<input type="checkbox"/> License for foreign transmittal not required. 37 CFR 5.11(e)(1) or 37 CFR 5.11(e)(2). However, a license may be required for additional subject matter. See 37 CFR 5.15(b).		
<input checked="" type="checkbox"/> Foreign transmittal license granted. 35 U.S.C. 184; 37 CFR 5.11 on _____ :		14 Sep 2015 (date)
<input type="checkbox"/> 37 CFR 5.15(a)		<input checked="" type="checkbox"/> 37 CFR 5.15(b)

Name and mailing address of the receiving Office Mail Stop PCT, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 Facsimile No. 571-273-8300	Authorized officer Rita Dozier Telephone No. (571) 272-8669
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
62/211,297	08/28/2015	260		357838.01		

CONFIRMATION NO. 1591 FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



CC000000077427754

Date Mailed: 09/15/2015

Receipt is acknowledged of this provisional patent application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Jaskaran Singh, Redmond, WA;
Dipak S. Pawar, Seattle, WA;
Andrew W. Lu, Rockville, MD;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 69316

Permission to Access - A proper Authorization to Permit Access to Application by Participating Offices (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 09/14/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 62/211,297**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

SECURE COMPUTING SYSTEM RECORD TRANSFER CONTROL

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



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UNITED STATES DEPARTMENT OF COMMERCE
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
62/210,483	08/27/2015	Olivier Colle	357621.01

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

CONFIRMATION NO. 2376 IMPROPER CPOA LETTER



OC000000077418125

Date Mailed: 09/15/2015

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the power of attorney filed 08/27/2015. The power of attorney in this application is not accepted for the reason(s) listed below:

- The power of attorney has not been accepted because the party who is giving power has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A party who is not the applicant must become the applicant in accordance with 37 CFR 1.46(c) and appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. For a reissue application, reexamination proceeding, or supplemental examination proceeding, a patent owner who was not the applicant under 37 CFR 1.46 must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).

/bengeda/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
62/210,483	08/27/2015	260		357621.01		

CONFIRMATION NO. 2376 FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



CC000000077417816

Date Mailed: 09/15/2015

Receipt is acknowledged of this provisional patent application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Olivier Colle, Bellevue, WA;
William James Staples, Duvall, WA;
Carlos Aguilar Mares, Redmond, WA;
Samuel Lenz Banina, Bellevue, WA;
Karandeep Singh Anand, Redmond, WA;
Kyle Werner, Seattle, WA;
Gautam Thapar, Redmond, WA;

Applicant(s)

Olivier Colle, Bellevue, WA;
William James Staples, Duvall, WA;
Carlos Aguilar Mares, Redmond, WA;
Samuel Lenz Banina, Bellevue, WA;
Karandeep Singh Anand, Redmond, WA;
Kyle Werner, Seattle, WA;
Gautam Thapar, Redmond, WA;

Power of Attorney:

Jeffrey Sadlowski--47914

If Required, Foreign Filing License Granted: 09/14/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 62/210,483**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

Application Service Architecture

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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page 2 of 3

the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
62/210,483	08/27/2015	Olivier Colle	357621.01

CONFIRMATION NO. 2376

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

IMPROPER AUTHORIZATION LETTER



"OC000000077417819"

Date Mailed: 09/15/2015

Title: Application Service Architecture

Improper Submission of Authorization to Permit Access to Application by Participating Offices under 37 CFR 1.14(h)

The Authorization to Permit Access to Application by Participating Offices under 37 CFR 1.14(h) (authorization to permit access) submitted on 08/27/2015 in the above identified application is not accepted because of the reason(s) listed below:

- The authorization to permit access was not properly signed in accordance with 37 CFR 1.14(h)(2). If applicant still wishes to provide authorization to permit access under 37 CFR 1.14(h), applicant must submit a properly signed authorization (e.g., PTO/SB/39).

Any authorization should be submitted prior to filing a subsequent foreign application with a participating intellectual property office in which priority is claimed to the above-identified U.S. application to ensure that it is likely that the participating foreign intellectual property office will be successful in its attempt to retrieve a copy of the U.S. priority application from the Office.

Questions about the contents of this notice
and the requirements it sets forth should be
directed to the Office of Data Management,
Application Assistance Unit, at **(571) 272-4000**
or **(571) 272-4200** or **1-888-786-0101**.

/bengeda/



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
62/209,301	08/24/2015	660		358130.01		

CONFIRMATION NO. 5357 FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



CC000000077413733

Date Mailed: 09/15/2015

Receipt is acknowledged of this provisional patent application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

William Robert Schnurr, Vancouver, CANADA;
Cameron McRae, Port Coquitlam, CANADA;
Myvictor Tran, Surrey, CANADA;
Michael Mahar, Vancouver, CANADA;
Preetinderpal Singh Mangat, Surrey, CANADA;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA

Power of Attorney: The patent practitioners associated with Customer Number 69316

Permission to Access - A proper Authorization to Permit Access to Application by Participating Offices (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 09/14/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 62/209,301**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

LIVE SPORTING EVENT PREDICTION ENHANCEMENTS

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/536,355	08/17/2015	Keith Fleck	013797.11963\US

CONFIRMATION NO. 9866

28319
BANNER & WITCOFF, LTD.
ATTORNEYS FOR CLIENT NOS. 003797
1100 13th STREET, N.W.
SUITE 1200
WASHINGTON, DC 20005-4051

POA ACCEPTANCE LETTER



OC000000077423215

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/tnguyen/



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/536,353	08/17/2015	Keith Fleck	013797.11964US

CONFIRMATION NO. 7016

28319
BANNER & WITCOFF, LTD.
ATTORNEYS FOR CLIENT NOS. 003797
1100 13th STREET, N.W.
SUITE 1200
WASHINGTON, DC 20005-4051

POA ACCEPTANCE LETTER



OC000000077418142

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/agizaw/



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
29/525,852	05/04/2015	Vivian Barad	013797.11365\US	1044
28319	7590	09/15/2015	EXAMINER	
BANNER & WITCOFF, LTD. ATTORNEYS FOR CLIENT NOS. 003797 1100 13th STREET, N.W. SUITE 1200 WASHINGTON, DC 20005-4051				FRANK, KEITH P
ART UNIT		PAPER NUMBER		
2921				
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-28319@bannerwitcoff.com

Office Action Summary	Application No. 29/525,852	Applicant(s) BARAD ET AL.	
	Examiner KEITH FRANK	Art Unit 2921	AIA (First Inventor to File) Status No
<i>-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --</i>			
Period for Reply			
<p>A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.</p> <ul style="list-style-type: none"> - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). <p>Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).</p>			
Status			
<p>1)<input type="checkbox"/> Responsive to communication(s) filed on _____. <input type="checkbox"/> A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed on _____. 2a)<input type="checkbox"/> This action is FINAL. 2b)<input checked="" type="checkbox"/> This action is non-final. 3)<input type="checkbox"/> An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action. 4)<input type="checkbox"/> Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213.</p>			
Disposition of Claims*			
<p>5)<input checked="" type="checkbox"/> Claim(s) <u>1</u> is/are pending in the application. 5a) Of the above claim(s) _____ is/are withdrawn from consideration. 6)<input type="checkbox"/> Claim(s) _____ is/are allowed. 7)<input checked="" type="checkbox"/> Claim(s) <u>1</u> is/are rejected. 8)<input type="checkbox"/> Claim(s) _____ is/are objected to. 9)<input type="checkbox"/> Claim(s) _____ are subject to restriction and/or election requirement.</p>			
<p>* If any claims have been determined <u>allowable</u>, you may be eligible to benefit from the Patent Prosecution Highway program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.</p>			
Application Papers			
<p>10)<input type="checkbox"/> The specification is objected to by the Examiner. 11)<input type="checkbox"/> The drawing(s) filed on _____ is/are: a)<input type="checkbox"/> accepted or b)<input type="checkbox"/> objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).</p>			
Priority under 35 U.S.C. § 119			
<p>12)<input type="checkbox"/> Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</p>			
Certified copies:			
<p>a)<input type="checkbox"/> All b)<input type="checkbox"/> Some** c)<input type="checkbox"/> None of the: 1.<input type="checkbox"/> Certified copies of the priority documents have been received. 2.<input type="checkbox"/> Certified copies of the priority documents have been received in Application No. _____. 3.<input type="checkbox"/> Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</p>			
<p>** See the attached detailed Office action for a list of the certified copies not received.</p>			
Attachment(s)			
<p>1)<input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 3)<input type="checkbox"/> Interview Summary (PTO-413) 2)<input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date. _____. Paper No(s)/Mail Date <u>5/4/2015</u>. 4)<input type="checkbox"/> Other: _____.</p>			

DETAILED ACTION

The present application is being examined under the pre-AIA first to invent provisions.

Specification

The broken line description disclosed is objected to because “environmental purposes” is inaccurate. The broken lines are understood to represent features of the claimed design that are not being claimed and the statement directly preceding the claim needs to reflect that understanding. The following statement must be used to describe the broken line features of a design (MPEP § 1503.02, subsection III):

--The broken line showing of the front surface portions and the unshaded region therein in figures 1 and 7 is to depict unclaimed features only and forms no part of the claimed design.--

Obviousness-Type Double Patenting

The claim is provisionally rejected under the judicially created doctrine of the obviousness-type double patenting of the claim of copending Application No.29/525850 Figs. 1-7. The overall appearance of the two applications is substantially the same. Although the conflicting claims are not identical, they are not patentably distinct from each other because the designs are substantially the same, with the only difference being a single recessed surface in figures 1 and 6.

It is well settled that it is unobviousness in the overall appearance of the claimed design, when compared with the prior art, rather than minute details or small variations in design as appears to be the case here, that constitutes the test of design patentability. See *In re Frick*, 275 F2d 741, 125 USPQ 191 (CCPA 1960) and *In re Lamb*, 286 F2d 610, 128 USPQ 539 (CCPA 1961).

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a non-statutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

A registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Conclusion

The claim stands rejected under **Provisional Obviousness-Type Double Patenting** for the reasons set forth above.

The references cited but not applied are considered cumulative art related to the subject matter of the claimed design. Applicant may view and obtain copies of the cited references by visiting <http://www.uspto.gov/patft/index.html> and pressing the "Patent Number Search" button.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Keith Frank whose telephone number is 571-270-0227. If attempts to reach the examiner by telephone are unsuccessful, you can reach the examiner's supervisor, Philip S. Hyder whose telephone number is 571-272-2621. The

fax phone number for the organization where this application or proceeding is assigned is 571-273-8300

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/K. F./
Examiner, Art Unit 2921

/PHILIP S HYDER/
Primary Examiner, Art Unit 2917

Notice of References Cited		Application/Control No. 29/525,852	Applicant(s)/Patent Under Reexamination BARAD ET AL.	
		Examiner KEITH FRANK	Art Unit 2921	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-D356,731 S	03-1995	Nakaizumi; Hiroshi		D9/713
*	B	US-5,850,963 A	12-1998	Chang; Cherng	B65D85/00	229/116.5
*	C	US-D502,041 S	02-2005	Wynalda, Jr.; Robert M.		D6/629
*	D	US-D537,561 S	02-2007	Counts; Mary Ellen		D27/189
*	E	US-D536,965 S	02-2007	Levy; Zachary W.		D9/430
*	F	US-D540,665 S	04-2007	Gupta; Sharad		D9/433
*	G	US-D542,647 S	05-2007	Walter; Kurtis		D9/414
*	H	US-D600,940 S	09-2009	Elia{hacek over (s)}; Ondrej		D6/407
*	I	US-D603,700 S	11-2009	Paredes; Apollo Paul		D9/432
*	J	US-D618,391 S	06-2010	Moore; Pamela D.		D27/172
*	K	US-D619,454 S	07-2010	Fluegel; Heather L.		D9/423
*	L	US-D621,282 S	08-2010	Yagi; Tod		D9/711
*	M	US-D625,177 S	10-2010	Seum; Susie Marie		D9/418

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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	Q					
	R					
	S					
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*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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Notice of References Cited		Application/Control No. 29/525,852	Applicant(s)/Patent Under Reexamination BARAD ET AL.	
		Examiner KEITH FRANK	Art Unit 2921	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-D635,185 S	03-2011	Suito; Yoshikatsu		D18/56
*	B	US-D635,469 S	04-2011	Buitrago; Alejandra		D9/711
*	C	US-D665,215 S	08-2012	Zealer; Carl		D6/632
*	D	US-D681,445 S	05-2013	van Landsveld; Mies		D9/423
*	E	US-D724,942 S	03-2015	Mattila; Mika		D9/432
*	F	US-D730,178 S	05-2015	Fullan; Bridget		D9/432
*	G	US-D733,550 S	07-2015	Birgers; Christopher J		D9/414
*	H	US-D734,142 S	07-2015	Lee; Noel		D9/414
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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	P					
	Q					
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	S					
	T					

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	2015-05-04
First Named Inventor	Vivian Barad
Art Unit	2921
Examiner Name	Keith P. Frank
Attorney Docket Number	013797.11365US

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	D560487		2008-01-29	Boettcher et al.	
	2	D417812		1999-12-21	Rubin	
	3	D434652		2000-12-05	Mori	
	4	D540665		2007-04-17	Gupta et al.	
	5	D561580		2008-02-12	Croft et al.	
	6	D561604		2008-02-12	Galor	
	7	D614025		2010-04-20	Paredes et al.	
	8	D622590		2010-08-31	Tayama	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>		Application Number		29525852 - GAU: 2921	
		Filing Date		2015-05-04	
		First Named Inventor		Vivian Barad	
		Art Unit		2921	
		Examiner Name		Keith P. Frank	
		Attorney Docket Number		013797.11365\US	

	9	D661996		2012-06-19	Hollyman	
	10	D656768		2012-04-03	Zealer	

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	1	20110062037	A1	2011-03-17	Bertuzzi et al.	
	2	20110036734	A1	2011-02-17	Meador, III	
	3	20090159473	A1	2009-06-25	Roth et al.	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date	2015-05-04	
First Named Inventor	Vivian Barad	
Art Unit	2921	
Examiner Name	Keith P. Frank	
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1

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EXAMINER SIGNATURE

Examiner Signature	/Keith Frank/ (08/31/2015)	Date Considered	
--------------------	----------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date	2015-05-04	
First Named Inventor	Vivian Barad	
Art Unit	2921	
Examiner Name	Keith P. Frank	
Attorney Docket Number	013797.11365\US	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication

from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to

any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- See attached certification statement.
- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Robert S. Katz/	Date (YYYY-MM-DD)	2015-05-04
Name/Print	Robert S. Katz	Registration Number	36402

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
29/515,201	01/20/2015	Paul Bosveld	013797.11303\US	4234
28319	7590	09/15/2015	EXAMINER	
BANNER & WITCOFF, LTD. ATTORNEYS FOR CLIENT NOS. 003797 1100 13th STREET, N.W. SUITE 1200 WASHINGTON, DC 20005-4051			MURPHY, AUSTIN	
			ART UNIT	PAPER NUMBER
			2917	
			NOTIFICATION DATE	DELIVERY MODE
			09/15/2015	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-28319@bannerwitcoff.com

<i>Response to Rule 312 Communication</i>	Application No.	Applicant(s)
	29/515,201 Examiner AUSTIN MURPHY	BOSVELD ET AL. Art Unit 2917

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. The amendment filed on 26 August 2015 under 37 CFR 1.312 has been considered, and has been:

- a) entered.
- b) entered as directed to matters of form not affecting the scope of the invention.
- c) disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

- d) disapproved. See explanation below.
- e) entered in part. See explanation below.

/A.M./ 9/8/15

	/Austin Murphy/ Primary Examiner Art Unit: 2917
--	-------------------------------------------------------

PRINTER RUSH

(PTO ASSISTANCE)

Application: 29515201

Examiner: Murphy

GAU: 2917

From: Timothy Caldwell

Location: RTFM

Creation Date: 08/27/2015

Tracking #: _____ Week Date:

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
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[RUSH] Message:

Please respond to the 8/26/15 A.NA

Thank You
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
29/515,196	01/20/2015	Paul Bosveld	013797.11304US	7910
28319	7590	09/15/2015	EXAMINER	
BANNER & WITCOFF, LTD. ATTORNEYS FOR CLIENT NOS. 003797 1100 13th STREET, N.W. SUITE 1200 WASHINGTON, DC 20005-4051				MURPHY, AUSTIN
ART UNIT		PAPER NUMBER		
2917				
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PTO-28319@bannerwitcoff.com

<i>Response to Rule 312 Communication</i>	Application No.	Applicant(s)
	29/515,196 Examiner	BOSVELD ET AL. Art Unit
	AUSTIN MURPHY	2917

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. The amendment filed on 8/27/15 under 37 CFR 1.312 has been considered, and has been:

- a) entered.
- b) entered as directed to matters of form not affecting the scope of the invention.
- c) disapproved because the amendment was filed after the payment of the issue fee.
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
- d) disapproved. See explanation below.
- e) entered in part. See explanation below.

/A.M./ 9/8/15

	/Austin Murphy/ Primary Examiner Art Unit: 2917
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
29/515,195	01/20/2015	Paul Bosveld	013797.11302\US	1979
28319	7590	09/15/2015	EXAMINER	
BANNER & WITCOFF, LTD. ATTORNEYS FOR CLIENT NOS. 003797 1100 13th STREET, N.W. SUITE 1200 WASHINGTON, DC 20005-4051				MURPHY, AUSTIN
ART UNIT		PAPER NUMBER		
2917				
NOTIFICATION DATE			DELIVERY MODE	
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PTO-28319@bannerwitcoff.com

<i>Response to Rule 312 Communication</i>	Application No.	Applicant(s)
	29/515,195 Examiner	BOSVELD ET AL. Art Unit
	AUSTIN MURPHY	2917

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1. The amendment filed on 27 August 2015 under 37 CFR 1.312 has been considered, and has been:

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- c) disapproved because the amendment was filed after the payment of the issue fee.
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
- d) disapproved. See explanation below.
- e) entered in part. See explanation below.

/A.M./ 9/8/15

	/Austin Murphy/ Primary Examiner Art Unit: 2917
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,520	05/30/2014	Larry Russell Butcher	041827.8707US00

CONFIRMATION NO. 8983

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077413685

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,512	05/30/2014	Scott Dallmeyer	041827.8744US00

CONFIRMATION NO. 3981

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077424803

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,511	05/30/2014	Scott Dallmeyer	0418278743US

CONFIRMATION NO. 6577

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

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OC000000077411081

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/03/2015.

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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,504	05/30/2014	Scott Dallmeyer	041827.8741US00

CONFIRMATION NO. 5761

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077423422

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/03/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/Itaba/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,496	05/30/2014	Amish Patel	0418278706US

CONFIRMATION NO. 1639

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077416787

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/afessehaye/



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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,482	05/30/2014	Scott Dallmeyer	0418278705US

CONFIRMATION NO. 9947

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077418471

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/agizaw/



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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,478	05/30/2014	Scott Dallmeyer	041827.8701US00

CONFIRMATION NO. 6297

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077423055

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/03/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/Itaba/



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,477	05/30/2014	Scott Dallmeyer	0418278702US

CONFIRMATION NO. 6774

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077422852

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/zabrah/a/



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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,474	05/30/2014	Scott Dallmeyer	041827.8703US00

CONFIRMATION NO. 6394

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077414020

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/eggolla/



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Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,468	05/30/2014	Amish Patel	041827.8710US00

CONFIRMATION NO. 4056

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077429157

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/mbeyene/



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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,455	05/30/2014	Amish Patel	041827.8709US00

CONFIRMATION NO. 2874

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077418078

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/tpetros/



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P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
29/492,445	05/30/2014	Amish Patel	041827.8713US00

CONFIRMATION NO. 4825

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077428807

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/04/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/Itaba/



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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

28319 7590 09/15/2015
BANNER & WITCOFF, LTD.
ATTORNEYS FOR CLIENT NOS. 003797
1100 13th STREET, N.W.
SUITE 1200
WASHINGTON, DC 20005-4051

EXAMINER	
LEE, ANGELA J	
ART UNIT	PAPER NUMBER
2911	

DATE MAILED: 09/15/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
29/480,719	01/29/2014	Joseph McLaughlin	013797.10000	2911

TITLE OF INVENTION: Display Screen With Graphical User Interface

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$560	\$0	\$0	\$560	12/15/2015

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

28319 7590 09/15/2015
BANNER & WITCOFF, LTD.
ATTORNEYS FOR CLIENT NOS. 003797
1100 13th STREET, N.W.
SUITE 1200
WASHINGTON, DC 20005-4051

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
29/480,719	01/29/2014	Joseph McLaughlin	013797.10000	2911

TITLE OF INVENTION: Display Screen With Graphical User Interface

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$560	\$0	\$0	\$560	12/15/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
LEE, ANGELA J	2911	D14-485000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

- Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
29/480,719	01/29/2014	Joseph McLaughlin	013797.10000	2911
28319	7590	09/15/2015	EXAMINER	
LEE, ANGELA J				
			ART UNIT	PAPER NUMBER
			2911	
DATE MAILED: 09/15/2015				

Determination of Patent Term Extension or Adjustment under 35 U.S.C. 154 (b)

Design patents have a term measured from the issue date of the patent and the term remains the same length regardless of the time that the application for the design patent was pending. Since the above-identified application is an application for a design patent, the patent is not eligible for Patent Term Extension or Adjustment under 35 U.S.C. 154(b).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability For A Design Application	Application No. 29/480,719	Applicant(s) MC LAUGHLIN ET AL.	
	Examiner ANGELA J. LEE	Art Unit 2911	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to _____.
 A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The claim is allowed.
4. Acceptable drawings:
 - (a) The drawings filed on 29 January 2014 are accepted by the Examiner.
 - (b) Drawing Figures filed on _____ and drawing Figures filed on _____ are accepted by the Examiner.
5. The claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f) is acknowledged.

Certified copies:

- a) All b) Some *c) None of the:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Information Disclosure Statements (PTO/SB/08),
Paper No./Receipt Date 6/12/15
3. Interview Summary (PTO-413),
Paper No./Mail Date _____.
4. Examiner's Amendment/Comment
5. Examiner's Statement of Reasons for Allowance
6. Other _____.

NOTE:

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Multiple Embodiments

This application contains the following embodiments:

Embodiment 1 - Figs. 1, 3 and 5

Embodiment 2 - Figs. 2, 4 and 6

Multiple embodiments of a single inventive concept may be included in the same design application only if they are patentably indistinct. See *In re Rubinfield*, 270 F.2d 391, 123 USPQ 210 (CCPA 1959). Embodiments that are patentably distinct from one another do not constitute a single inventive concept and thus may not be included in the same design application. See *In re Platner*, 155 USPQ 222 (Comm'r Pat. 1967).

The above-identified embodiments are considered by the examiner to present overall appearances that are basically the same. Furthermore, the differences between the appearances of the embodiments are considered minor and patentably indistinct, or are shown to be obvious in view of analogous prior art cited. Accordingly, they are deemed to be obvious variations and are being retained and examined in the same application.

Conclusion/Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela J. Lee whose telephone number is 571-272-

4453. The examiner can normally be reached on Monday to Friday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Garth Rademaker, can be reached on 571-272-8705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/A. J. L./
/Angela J Lee/
Primary Examiner, Art Unit 2911

Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination	
		29/480,719	MCLAUGHLIN ET AL.	
Examiner		Art Unit		Page 1 of 1
ANGELA J. LEE		2911		

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-D594,019 S	06-2009	Ball et al.	D14/486
*	B	US-D640,285 S	06-2011	Woo, Aaron N.	D14/487
*	C	US-D668,665 S	10-2012	Chen et al.	D14/485
*	D	US-D671,133 S	11-2012	Woo, Aaron N.	D14/487
*	E	US-D677,690 S	03-2013	Phelan, Kieran	D14/487
*	F	US-D677,691 S	03-2013	Frijlink, Naud	D14/487
*	G	US-D682,868 S	05-2013	Frijlink, Naud	D14/487
*	H	US-D682,869 S	05-2013	Aroner et al.	D14/487
*	I	US-D683,758 S	06-2013	Phelan, Kieran	D14/489
*	J	US-D690,724 S	10-2013	Frijlink, Naud	D14/486
*	K	US-D716,838 S	11-2014	Acker et al.	D14/487
*	L	US-D730,388 S	05-2015	Rehberg et al.	D14/488
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	29480719
Filing Date	2014-01-29
First Named Inventor	Joseph McLaughlin
Art Unit	2919
Examiner Name	E. L. Goodman
Attorney Docket Number	013797.10000\US

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	D671555	S	2012-11-27	Woo	
	2	D699740	S	2014-02-18	Woo	
	3	D701530	S	2014-03-25	Glaeske	
	4	D720367	S	2014-12-30	Woo	

If you wish to add additional U.S. Patent citation information please click the Add button.

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U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.L./

Application Number	29480719
Filing Date	2014-01-29
First Named Inventor	Joseph McLaughlin
Art Unit	2919
Examiner Name	E. L. Goodman
Attorney Docket Number	013797.10000\US

	1							<input type="checkbox"/>
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If you wish to add additional Foreign Patent Document citation information please click the Add button **NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button **EXAMINER SIGNATURE**

Examiner Signature	/Angela Lee/	Date Considered	08/27/2015
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

Application Number	20140719
Filing Date	2014-01-29
First Named Inventor	Joseph McLaughlin
Art Unit	2919
Examiner Name	E. L. Goodman
Attorney Docket Number	013797.10000\US

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- See attached certification statement.
 The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
 A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/John M. Fleming/	Date (YYYY-MM-DD)	2015-06-12
Name/Print	John M. Fleming	Registration Number	56536

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
29/449,777	03/15/2013	2911	660	013797.09371US	1	1

CONFIRMATION NO. 6723 CORRECTED FILING RECEIPT

28319
BANNER & WITCOFF, LTD.
ATTORNEYS FOR CLIENT NOS. 003797
1100 13th STREET, N.W.
SUITE 1200
WASHINGTON, DC 20005-4051



CC000000077431080

Date Mailed: 09/15/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Ethan Nelson Ray, Lynnwood, WA;
Leslie Macneil, Kirkland, WA;
Jonathan Eric Gleasman, Seattle, WA;
Denise Michele Trabona, Seattle, WA;

Applicant(s)

Microsoft Corporation, Redmond, WA

Power of Attorney: The patent practitioners associated with Customer Number 28319

Domestic Priority data as claimed by applicant

This application is a DIV of 29/417,170 03/30/2012 PAT D681050
which is a DIV of 29/392,991 05/27/2011 PAT D658670

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 04/03/2013

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 29/449,777**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

Display Screen with Graphical User Interface

Preliminary Class

D14

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
29/449,144	03/14/2013	Denise Michele Trabona	013797.09005\US	1011
28319	7590	09/15/2015	EXAMINER	
BANNER & WITCOFF, LTD. ATTORNEYS FOR CLIENT NOS. 003797 1100 13th STREET, N.W. SUITE 1200 WASHINGTON, DC 20005-4051				BARNES, KIMBERLY
ART UNIT		PAPER NUMBER		
2921				
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-28319@bannerwitcoff.com

Office Action Summary	Application No. 29/449,144	Applicant(s) TRABONA ET AL.	
	Examiner KIMBERLY BARNES	Art Unit 2921	AIA (First Inventor to File) Status No
<i>-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --</i>			
Period for Reply			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.			
<ul style="list-style-type: none"> - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). <p>Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).</p>			
Status			
1) <input checked="" type="checkbox"/> Responsive to communication(s) filed on <u>07/24/2015 CPA</u> . <input type="checkbox"/> A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed on _____.			
2a) <input type="checkbox"/> This action is FINAL . 2b) <input checked="" type="checkbox"/> This action is non-final.			
3) <input type="checkbox"/> An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.			
4) <input type="checkbox"/> Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.			
Disposition of Claims*			
5) <input checked="" type="checkbox"/> Claim(s) <u>1</u> is/are pending in the application. 5a) Of the above claim(s) _____ is/are withdrawn from consideration.			
6) <input type="checkbox"/> Claim(s) _____ is/are allowed.			
7) <input checked="" type="checkbox"/> Claim(s) <u>1</u> is/are rejected.			
8) <input type="checkbox"/> Claim(s) _____ is/are objected to.			
9) <input type="checkbox"/> Claim(s) _____ are subject to restriction and/or election requirement.			
* If any claims have been determined <u>allowable</u> , you may be eligible to benefit from the Patent Prosecution Highway program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov .			
Application Papers			
10) <input type="checkbox"/> The specification is objected to by the Examiner.			
11) <input checked="" type="checkbox"/> The drawing(s) filed on <u>03/14/2013</u> is/are: a) <input checked="" type="checkbox"/> accepted or b) <input type="checkbox"/> objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119			
12) <input type="checkbox"/> Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).			
Certified copies:			
a) <input type="checkbox"/> All b) <input type="checkbox"/> Some** c) <input type="checkbox"/> None of the: 1. <input type="checkbox"/> Certified copies of the priority documents have been received. 2. <input type="checkbox"/> Certified copies of the priority documents have been received in Application No. _____. 3. <input type="checkbox"/> Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).			
** See the attached detailed Office action for a list of the certified copies not received.			
Attachment(s)			
1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)			
2) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date <u>07/24/2015</u>			
3) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date _____.			
4) <input type="checkbox"/> Other: _____.			

DETAILED ACTION

The present application is being examined under the pre-AIA first to invent provisions.

The request filed on 07/24/2015 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 29/449,144 is acceptable and a CPA has been established.

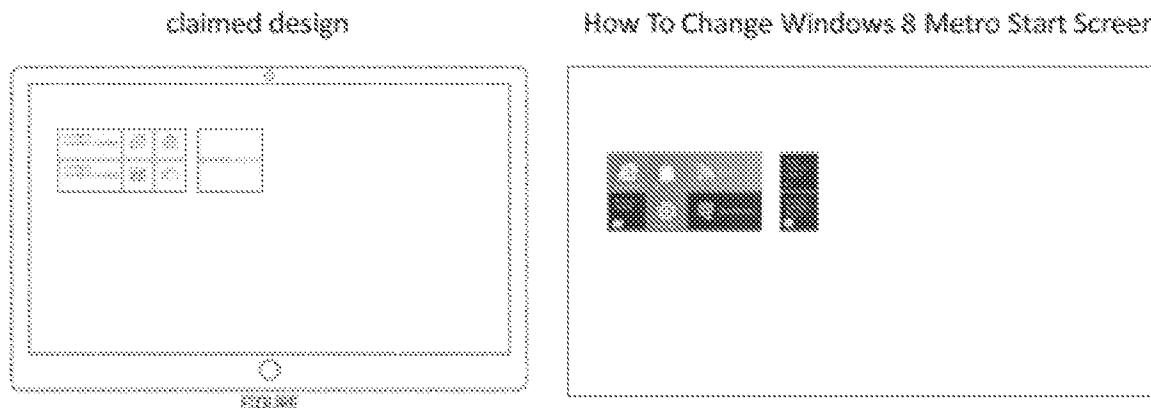
The indication of allowability set forth in the previous action is withdrawn and prosecution is reopened in view of the following new ground of rejection.

Non-Final Rejection under 35 USC 102(b)

A design may be embodied in less than the entire article, *In re Zahn*, 204 USPQ 988 (CCPA 1980). This practice also opens to the Examiner the liberty of relying upon the features of a reference embodied in less than the entire article. The examiner has done so in the following rejection:

The claim is rejected under 35 USC 102(b) as being anticipated by the on-line article "How To Change Windows 8 Metro Start Screen Background Color" ("How To Change Windows 8 Metro Start Screen", Citation No. 1, Non-Patent Literature Documents, on applicant's IDS filed 07/24/2015) because the invention was patented or described in a printed publication in this or a foreign country, or in public use or on sale in this country more than one (1) year prior to the application for patent in the United States.

The appearance of "How To Change Windows 8 Metro Start Screen", is substantially the same as that of the claimed design. The ordinary observer test is the sole test for anticipation. *International Seaway Trading Corp. v. Walgreens Corp.*, 589 F.3d 1233, 1237-38, 1240, 93 USPQ2d 1001 (Fed. Cir. 2009).



At first glance, the fact that the claimed design is shown in outline form and the reference is rendered with solid boxes filled with colors and content would seem to suggest that the reference could not anticipate the claimed design. This may be supportable were the situation reversed, and the outlined

Art Unit: 2921

design was the primary reference and the colored, solid design was the later, claimed design. The use of solid colors, the application of content, and the lack of outlines would disqualify the outline version as a proper prior art reference under 35 US 102.

However, in this situation, it is clear that if the prior art reference inventor had possession of the colored, content-filled design, he would have had possession of that design as it would be rendered in outline as well. It is well-established in the art that graphical user interfaces (GUIs) are often diagrammed in outline form, and are then fleshed out as the interface is further refined. In essence, the claimed design is an example of this practice, showing the “bones” of a GUI design that would later be filled in with color and content.

It stands to reason, therefore, that if the colored and content-filled reference is available as prior art, then its outline form would also be available as prior art, even though it is not specifically shown. The underlying outline form is inherently understood to be present.

This difference is thus considered to be *de minimis* in nature.

Applicant is directed to the following references (included in the Form 892 dated 04/24/2015): 2007/0209023, 2004/0250278, 2004/0187079, 2002/0135621, D646,691, D646,292 and D646,291, which, as examples, demonstrate the practice described above.

“Two designs are substantially the same if their resemblance is deceptive to the extent that it would induce an ordinary observer, giving such attention as a purchaser usually gives, to purchase an article having one design supposing it to be the other.” *Door-Master Corp. v. Yorktowne, Inc.*, 256 F.3d 1308 (Fed. Cir. 2001) citing *Gorham Co. v. White*, 81 U.S. 511, 528 (1871).

“The comparison takes into account significant differences between the two designs, not minor or trivial differences that necessarily exist between any two designs that are not exact copies of one another. Just as “minor differences between a patented design and an accused article’s design cannot, and shall not, prevent a finding of infringement,” (Litton, 728 F.2d at 1444), so too minor differences cannot prevent a finding of anticipation.” *Int’l Seaway, supra*.

Non-Final Rejection under 35 USC 103(a)

A design may be embodied in less than the entire article, *In re Zahn*, *supra*. This practice also opens to the Examiner the liberty of relying upon the features of a reference embodied in less than the entire article. The examiner has done so in the following rejection:

The claim is rejected under pre-AIA 35 USC 103(a) as being unpatentable over the on-line article “How To Change Windows 8 Metro Start Screen Background Color” (“How To Change Windows 8 Metro

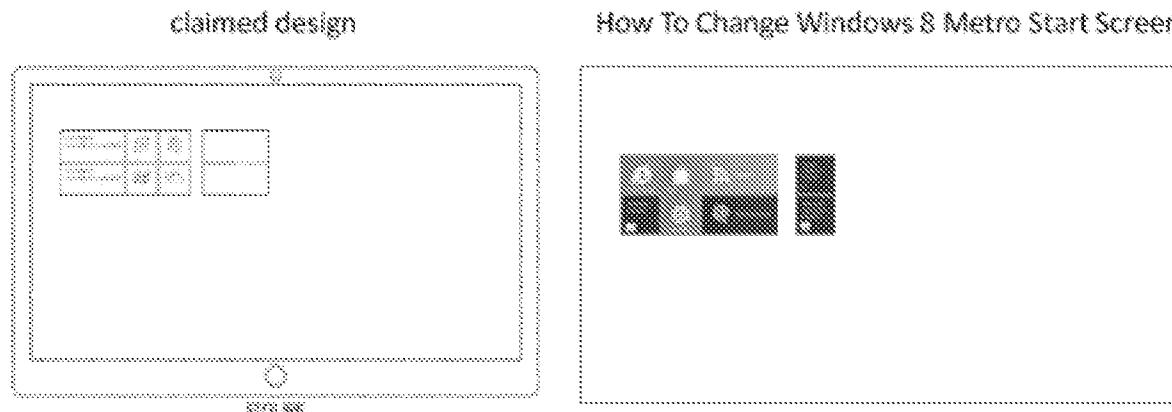
Art Unit: 2921

Start Screen", Citation No. 1, Non-Patent Literature Documents, on applicant's IDS filed 07/24/2015) in view of the on-line article "Microsoft explains why they scrapped the Start Menu in Windows 8" ("Microsoft explains", NPL #U) and further in view of 2007/0209023 to Nakagawa et al.

Although the invention is not identically disclosed or described as set forth in pre-AIA 35 USC 102, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a designer of ordinary skill in the art to which said subject matter pertains, the invention is not patentable.

A portion of the graphical user interface in "How To Change Windows 8 Metro Start Screen" has the same basic design characteristics as the claimed design:

The "How To Change Windows 8 Metro Start Screen" graphical user interface discloses two rows each comprised of three squares and one rectangle. These shapes are arranged on a grid, with the first 3 shapes (starting from the left) arranged in columns flush with each other, and separated by a narrow, uniform gap. The fourth column is separated by a larger, vertical gap that is approximately four times as wide as the narrow gap shown between the other shapes.



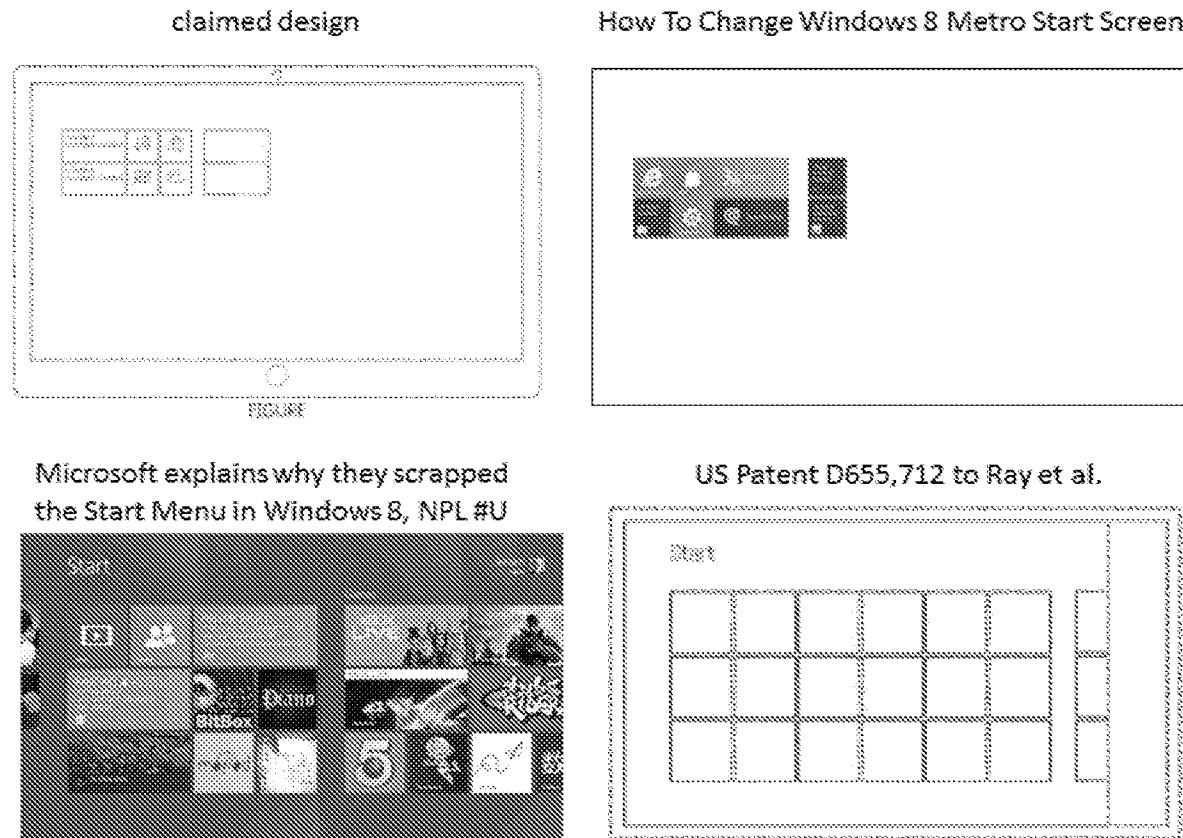
Thus the two rows of the graphical user interface in "How To Change Windows 8 Metro Start Screen" has an overall appearance basically the same as the claimed invention except for the following:

In the two rows of boxes in "How To Change Windows 8 Metro Start Screen" the square boxes are shown as the first and second column in the layout. The far right-hand shapes are only partial shapes, with half the outline claimed and the shape open on the right-hand side. In addition, the boxes in this reference are shown not as outlines, but as colored, content-filled, un-outlined boxes.

It would have been obvious to a designer of ordinary skill in the art at the time the invention was made to have modified the layout of boxes so that the square boxes form the second and third columns (starting from the left) as is taught by the layout in "Microsoft explains".

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It would have been further obvious to substitute colored and content-filled shapes with outlined, unornamented interiors, and to substitute the enclosed shapes in the fourth column for shapes with the line on its far right-hand end removed, as is taught by US Patent D655,712 to Ray et. al.



The difference in appearance between an outlined design and one with solid colors and content is considered *de minimis*, for the reasons put forward in the rejection under 35 USC 102. It is clear that if the inventor had possession of the colored, content-filled design, he would have had possession of that design as it would be rendered in outline.

However, as the -712 reference was available to teach this aspect of the appearance of the claimed design, the combination was made.

Further, the position swapping of the three columns is considered an example of design expediency; the variations in the prior art strongly suggest that the various grids show an overall likeness in approach and resultant visual effect, such that such a change in order of the individual elements does not create a significant difference in appearance. Such re-arrangement would be well within the abilities of the ordinary designer in the art. However, since the “MicroSoft explains” reference was available to teach this difference, the combination was made.

Art Unit: 2921

This modification of the primary reference in light of the secondary reference is proper because the applied references are so related that the appearance of features shown in one would suggest the application of those features to the other. See *In re Rosen*, 673 F.2d 388, 213 USPQ 347 (CCPA 1982); *In re Carter*, 673 F2d 1378, 213 USPQ 625 (CCPA 1982); and *In re Glavas*, 230 F.2d 447, 109 USPQ 50 (CCPA 1956).

Further, it is noted that case law has held that one skilled in the art is charged with knowledge of the related art; therefore, the combination of old elements, herein, would have been well within the level of ordinary skill. See *In re Antle*, 444 F.2d 1168, 170 USPQ 285 (CCPA 1971) and *In re Nalbandian*, 661 F.2d 1214, 211 USPQ 782 (CCPA 1981).

Conclusion

Accordingly, the claim stands rejected under pre-AIA 35 USC 102(b) and 35 USC 103(a). The references cited but not applied are considered cumulative art related to the subject matter of the claimed design.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIMBERLY BARNES whose telephone number is 571-270-0226. The examiner can normally be reached from Monday through Friday from 9:30 a.m. to 6:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, Primary Examiner Karen Eldridge Powers can be reached at 571-272-4293, or the examiner's supervisor, Thomas Johannes can be reached at 571-272-7576. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://portal.uspto.gov/external/portal>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/kjb/

Patent Examiner, Art Unit 2921

/Karen E. Eldridge Powers/
Primary Examiner, Art Unit 2913

Notice of References Cited		Application/Control No. 29/449,144	Applicant(s)/Patent Under Reexamination TRABONA ET AL.	
		Examiner KIMBERLY BARNES	Art Unit 2921	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
	A	US-				
	B	US-				
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Microsoft explains why they scrapped the Start Menu in Windows 8 (on-line), posted on 10/04/2011. Retrieved from Internet 09/03/2015, URL: http://www.winrumors.com/microsoft-explains-why-they-scrapped-the-start-menu-in-windows-8/ (2 pages)
	V	Operating Systems (on-line), posted 08/15/2012. Retrieved from Internet 09/03/2015, URL: http://www.cnet.com/news/going-all-in-with-a-windows-8-touch-screen-desktop/ (1 page)
	W	Window 8 Tips, How to Customize the Windows 8 Start Screen (on-line), posted 10/27/2012. Retrieved from Internet 09/03/2015, URL: http://qlockwork.com/timetrackingthoughts/2012/10/window-8-tips-how-to-customize-the-windows-8-start-screen/ (1 page)
	X	Windows 8 apps explained (on-line), posted 06/17/2012. Retrieved from Internet 09/03/2015, URL: http://www.techradar.com/news/software/operating-systems/windows-8-apps-explained-1085512 (1 page)

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	29449144
Filing Date	2013-03-14
First Named Inventor	Denise Michele Trabona
Art Unit	2911
Examiner Name	M. H. Tung Kimberly Barnes
Attorney Docket Number	013797.09005US

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/K.B./	1	D627363	S	2010-11-16	Lew	
/K.B./	2	D655301	S	2012-03-06	Ray et al.	
/K.B./	3	D665414	S	2012-08-14	Lee et al.	
/K.B./	4	D669490	S	2012-10-23	Fong et al.	
/K.B./	5	D669493	S	2012-10-23	Guss et al.	
/K.B./	6	D668671	S	2012-10-09	Zaman et al.	
/K.B./	7	D669488	S	2012-10-23	Guss et al.	
/K.B./	8	D682878	S	2013-05-21	Donahue et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		Application Number		29449144	
		Filing Date		2013-03-14	
		First Named Inventor		Denise Michele Trabona	
		Art Unit		2911	
		Examiner Name		M. H. Tung	
		Attorney Docket Number		013797.09005\US	

/K.B./	9	D682658	S	2013-05-21	Cramer et al.	
/K.B./	10	D682875	S	2013-05-21	Frijlink et al.	
/K.B./	11	D686226	S	2013-07-16	Rodenhouse et al.	
/K.B./	12	D687841	S	2013-08-13	Arnold et al.	
/K.B./	13	D699743	S	2014-02-18	Arnold et al.	
/K.B./	14	D712923	S	2014-09-09	Lee	
/K.B./	15	D716833	S	2014-11-04	Donahue et al.	
/K.B./	16	D722318	S	2015-02-10	Moore	
/K.B./	17	D722608	S	2015-02-17	Donahue et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>		Application Number		29449144		
		Filing Date		2013-03-14		
		First Named Inventor		Denise Michele Trabona		
		Art Unit		2911		
		Examiner Name		M. H. Tung		
		Attorney Docket Number		013797.09005\US		

/K.B./	1	20070245263	A1	2007-10-18	Hale et al.	
/K.B./	2	20130239049	A1	2013-09-12	Perrodin et al.	
/K.B./	3	20130332855	A1	2013-12-12	Roman et al.	

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/K.B./	1	How To Change Windows 8 Metro Start Screen Background Color (on-line), by Usman Javaid on 09/19/2011. Retrieved from Internet 03/30/2015, URL: http://www.addictivetips.com/windows-tips/how-to-change-windows-8-metro-start-menu-background-colors/ (2 pages)	<input type="checkbox"/>

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EXAMINER SIGNATURE

Examiner Signature	/Kimberly Barnes/	Date Considered	09/02/2015
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/839,829	08/28/2015	2431	1600	MS1-6274US	20	3

CONFIRMATION NO. 1676 FILING RECEIPT

22801
LEE & HAYES, PLLC
601 W. RIVERSIDE AVENUE
SUITE 1400
SPOKANE, WA 99201



CC000000077416979

Date Mailed: 09/15/2015

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Inventor(s)

Benjamin M. Schultz, Bellevue, WA;
Poornananda R. Gaddehosur, Redmond, WA;
Mohit Garg, Redmond, WA;
Jasdeep S. Rajwan, Abbotsford, CANADA;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 22801

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/839,829**

Projected Publication Date: 03/02/2017

Non-Publication Request: No

Early Publication Request: No

Title

User-Aware Datacenter Security Policies

Preliminary Class

726

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/839,644	08/28/2015	Kurt A. JENKINS	357585.01

CONFIRMATION NO. 9234

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

INFORMAL NOTICE



OC000000077406667

Date Mailed: 09/15/2015

INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):

Kurt A. JENKINS
Tim LARGE
Lincoln GHIONI
Neil EMERTON

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/sduong/



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/839,644	08/28/2015	2875	2400	357585.01	23	4

CONFIRMATION NO. 9234 FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



CC000000077406688

Date Mailed: 09/15/2015

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Inventor(s)

Kurt A. JENKINS, Sammamish, WA;
Tim LARGE, Bellevue, WA;
Lincoln GHIONI, Redmond, WA;
Neil EMERTON, Redmond, WA;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Assignment For Published Patent Application

Microsoft Technology Licensing, LLC, Redmond, WA

Power of Attorney: The patent practitioners associated with Customer Number 69316

Domestic Applications for which benefit is claimed - None.

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/839,644**

Projected Publication Date: 03/02/2017

Non-Publication Request: No

Early Publication Request: No

Title

LAMINATED INPUT DEVICES

Preliminary Class

362

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/839,430	08/28/2015	Jianfeng Gao	MS1-6237US

CONFIRMATION NO. 6291

22801

LEE & HAYES, PLLC
601 W. RIVERSIDE AVENUE
SUITE 1400
SPOKANE, WA 99201



OC000000077399102

INFORMAL NOTICE

Date Mailed: 09/15/2015

INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
John C. Platt

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/tnguyen/



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United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/839,430	08/28/2015	2240		MS1-6237US	21	4

CONFIRMATION NO. 6291

22801
LEE & HAYES, PLLC
601 W. RIVERSIDE AVENUE
SUITE 1400
SPOKANE, WA 99201

FILING RECEIPT



CC00000007399101

Date Mailed: 09/15/2015

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Inventor(s)

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John C. Platt, Bellevue, WA;
Rupesh Kumar Srivastava, Lugano, SWITZERLAND;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 22801

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 09/11/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/839,430**

Projected Publication Date: 03/02/2017

Non-Publication Request: No

Early Publication Request: No

Title

DISCOVERY OF SEMANTIC SIMILARITIES BETWEEN IMAGES AND TEXT

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/839,385	08/28/2015	1740		357787.01/MFCP.237193	20	3

CONFIRMATION NO. 2531 FILING RECEIPT

45809
SHOOK, HARDY & BACON L.L.P.
(MICROSOFT TECHNOLOGY LICENSING, LLC)
INTELLECTUAL PROPERTY DEPARTMENT
2555 GRAND BOULEVARD
KANSAS CITY, MO 64108-2613



CC00000007397988

Date Mailed: 09/15/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

ARUN SACHETI, Sammamish, WA;
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KUN WU, Redmond, WA;
SOOHOON CHO, Bellevue, WA;
MALIK MEHDI PRADHAN, Kirkland, WA;
ALEXANDRE MICHELIS, Residence Not Provided;
GAUTAM VISHWAS VAIDYA, Redmond, WA;
KARIM AMIN HASHAM, Bellevue, WA;
AVINASH VEMULURU, Redmond, WA;

Applicant(s)

MICROSOFT TECHNOLOGY LICENSING, LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 45809

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/839,385**

Projected Publication Date: 03/02/2017

Non-Publication Request: No

Early Publication Request: No

Title

RECOMMENDING A CONTENT CURATOR

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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NOT GRANTED

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/839,385	08/28/2015	ARUN SACHETI	357787.01/MFCP.237193

CONFIRMATION NO. 2531

45809

SHOOK, HARDY & BACON L.L.P.
(MICROSOFT TECHNOLOGY LICENSING, LLC)
INTELLECTUAL PROPERTY DEPARTMENT
2555 GRAND BOULEVARD
KANSAS CITY, MO 64108-2613



OC000000077397969

INFORMAL NOTICE

Date Mailed: 09/15/2015

INFORMATIONAL NOTICE TO APPLICANT

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- A properly executed inventor's oath or declaration has not been received for the following inventor(s):

ARUN SACHETI
YANFENG SUN
AARON CHUN WIN YUEN
PARTHASARATHY GOVINDARAJEN
KUN WU
SOOHOON CHO
MALIK MEHDI PRADHAN
ALEXANDRE MICHELIS
GAUTAM VISHWAS VAIDYA
KARIM AMIN HASHAM
AVINASH VEMULURU

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/afesehaye/



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/839,281	08/28/2015	2658	1600	MS1-6236US	20	3

CONFIRMATION NO. 1083 FILING RECEIPT

22801
LEE & HAYES, PLLC
601 W. RIVERSIDE AVENUE
SUITE 1400
SPOKANE, WA 99201



CC000000077395838

Date Mailed: 09/15/2015

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Inventor(s)

Xiaodong He, Sammamish, WA;
Jianfeng Gao, Woodinville, WA;
Hamid Palangi, Vancouver, CANADA;
Xinying Song, Bellevue, WA;
Yelong Shen, Bothell, WA;
Li Deng, Redmond, WA;
Jianshu Chen, Redmond, WA;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 22801

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Projected Publication Date: 03/02/2017

Non-Publication Request: No

Early Publication Request: No

Title

SEMANTICALLY-RELEVANT DISCOVERY OF SOLUTIONS

Preliminary Class

704

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/839,255	08/28/2015	2143	1600	357600.01	20	3

CONFIRMATION NO. 3017 FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



Date Mailed: 09/15/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Juha Backman, Espoo, FINLAND;
Marko Yliaho, Tampere, FINLAND;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 69316

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 09/11/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/839,255**

Projected Publication Date: 03/02/2017

Non-Publication Request: No

Early Publication Request: No

Title

BI-DIRECTIONAL POWER TRANSFER

Preliminary Class

715

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/839,243	08/28/2015	Gil Zalmanovitch	335310.02

CONFIRMATION NO. 5245

39254

Gonzalez Saggio & Harlan LLP
(Patent Group - Microsoft Corporation)
111 E. Wisconsin Avenue
Suite 1000
Milwaukee, WI 53202



OC000000077396150

FORMALITIES LETTER

Date Mailed: 09/15/2015

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
- The application search fee must be submitted.
- The application examination fee must be submitted.
- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.

The surcharge is due for any one of:

- late submission of the basic filing fee, search fee, or examination fee,
- late submission of inventor's oath or declaration,
- filing an application that does not contain at least one claim on filing, or
- submission of an application filed by reference to a previously filed application.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. No entity status discount is in effect. If applicant is qualified for small entity status, a written assertion of small entity status must be submitted to establish small entity status. (See 37 CFR 1.27). If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- **\$ 280** basic filing fee.
- **\$ 140** surcharge.
- **\$ 600** search fee.
- **\$ 720** examination fee.
- **\$(0)** previous unapplied payment amount.
- **\$ 1740** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):

Gil Zalmanovitch
Gregory James Scott
Shai Guday
Alec Garvin Kwok
Yue Jiang
Kenneth Vincent Ma

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".

<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/afessehaye/



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/839,243	08/28/2015	2656	0.00	335310.02	20	3

CONFIRMATION NO. 5245

39254

FILING RECEIPT

Gonzalez Saggio & Harlan LLP
(Patent Group - Microsoft Corporation)
111 E. Wisconsin Avenue
Suite 1000
Milwaukee, WI 53202



CC00000007395149

Date Mailed: 09/15/2015

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Inventor(s)

Gil Zalmanovitch, Seattle, WA;
Gregory James Scott, Seattle, WA;
Shai Guday, Redmond, WA;
Alec Garvin Kwok, Redmond, WA;
Yue Jiang, Redmond, WA;
Kenneth Vincent Ma, Seattle, WA;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 39254

Domestic Priority data as claimed by applicant

This application is a CON of 13/721,069 12/20/2012
which claims benefit of 61/696,472 09/04/2012
and claims benefit of 61/591,503 01/27/2012
and claims benefit of 61/591,509 01/27/2012

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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If Required, Foreign Filing License Granted: 09/11/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/839,243**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

DYNAMICALLY ADJUSTING A DATA USAGE PLAN BASED ON DATA USAGE STATISTICS

Preliminary Class

379

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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14/839,169	08/28/2015	1600		14917.2628US01/357431.01	20	3

27488
MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

CONFIRMATION NO. 1090 FILING RECEIPT



CC000000077395438

Date Mailed: 09/15/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Jin Kim, Bellevue, WA;
Imed Zitouni, Bellevue, WA;
Rajesh Patel, Woodinville, WA;

Applicant(s)

MICROSOFT TECHNOLOGY LICENSING, LLC, Redmond, WA;

Assignment For Published Patent Application

MICROSOFT TECHNOLOGY LICENSING, LLC, Redmond, WA

Power of Attorney: The patent practitioners associated with Customer Number 27488

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Projected Publication Date: 03/02/2017

Non-Publication Request: No

Early Publication Request: No

Title

Judgment Quality in SBS Evaluation

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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NOTICE OF ALLOWANCE AND FEE(S) DUE

69316 7590 09/15/2015
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

EXAMINER	
DORAIS, CRAIG C	
ART UNIT	PAPER NUMBER
2194	

DATE MAILED: 09/15/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/822,837	08/10/2015	Weirong Zhu	324914.03	3775

TITLE OF INVENTION: ARRAY OBJECT CONCURRENCY IN STM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

69316 7590 09/15/2015
MICROSOFT CORPORATION
 ONE MICROSOFT WAY
 REDMOND, WA 98052

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/822,837	08/10/2015	Weirong Zhu	324914.03	3775

TITLE OF INVENTION: ARRAY OBJECT CONCURRENCY IN STM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
DORAIS, CRAIG C	2194	719-315000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/822,837	08/10/2015	Weirong Zhu	324914.03	3775
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				DORAIS, CRAIG C
ART UNIT		PAPER NUMBER		
2194				

DATE MAILED: 09/15/2015

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 14/822,837	Applicant(s) ZHU ET AL.	
	Examiner CRAIG DORAIS	Art Unit 2194	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to Application filed 08/10/2015.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 21 - 40. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 08/10/2015.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>08/10/2015</u> | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20150908</u> . | |

/CRAIG DORAIS/
Primary Examiner, Art Unit 2194

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.
2. This Office Action is in response to an application entered on 08/10/2015.

Reasons for Allowance

3. Claims 21 - 40 are allowed.
4. The following is an examiner's statement of reasons for allowance: Regarding independent claim 40 (and similarly for independent claims 21 and 30), when considered as a whole, is allowable over the prior art of record. Specifically, the prior art of record fails to clearly teach or fairly suggest an any anticipatory nor obvious combination of limitations given below, when combined with all the limitations also presented in claim 1, and in particular the limitation of:

accessing, using at least one of the one or more processors, source code with a first software transactional memory (STM) transaction that includes an access to the array object; and compiling, using at least one of the one or more processors, the source code to include an invocation of an STM array object primitive corresponding to the access in the first STM transaction, the STM array object primitive configured to create either a single transactional lock or a plurality of transactional locks for the array object depending on the size of the array object, the STM array object configured to create the single transactional lock for the array object if the size of the array object is less than a size threshold, the STM array object configured to create the plurality of transactional locks for the array object if the size of the array object is greater than the size threshold.

8. Claims 22 – 29 and 31 – 39 depend on independent claims 21 and 30 and are therefore also allowable for at least these reasons.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CRAIG DORAIS whose telephone number is (571)270-3371. The examiner can normally be reached on Monday - Friday 8:30am - 5:00pm.

10. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung Sough can be reached on (571)272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

11. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CRAIG DORAIS/
Primary Examiner, Art Unit 2194

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	14/822,837 ZHU ET AL.		
	Examiner CRAIG DORAIS	Art Unit 2194	

All participants (applicant, applicant's representative, PTO personnel):

(1) CRAIG DORAIS. (3) _____.

(2) Bryan Wade. (4) _____.

Date of Interview: 31 August 2015.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
If Yes, brief description: _____.

Issues Discussed 101 112 102 103 Others

(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 21 -40.

Identification of prior art discussed: none.

Substance of Interview

(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed filing a terminal disclaimer to place the application in a condition for allowance. Applicant's representative agreed and filed the terminal disclaimer on 09/01/2015.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

/CRAIG DORAIS/ Primary Examiner, Art Unit 2194	
---------------------------------------------------	--

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	14822837
Filing Date	08/10/2015
First Named Inventor	Weirong Zhu
Art Unit	2194
Examiner Name	Not Yet Assigned Craig Dorais
Attorney Docket Number	324914.03

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6324680	B1	2001-11-27	Barnfield, et al.	
	2	6405292	B1	2002-06-11	Joseph, et al.	
	3	6988099	B2	2006-01-17	Wiser, et al.	
	4	7328316	B2	2008-02-05	Moir, et al.	
	5	8176022	B1	2012-05-08	Garcia, Radames	

If you wish to add additional U.S. Patent citation information please click the Add button. [Add](#)

U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20050149526	A1	2005-07-07	Wiser, et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.D./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		14822837		
	Filing Date		08/10/2015		
	First Named Inventor		Weirong Zhu		
	Art Unit		2194		
	Examiner Name		Not Yet Assigned		Craig Dorais
	Attorney Docket Number		324914.03		

	2	20070282838	A1	2007-12-06	Shavit, et al.	
	3	20080021934	A1	2008-01-24	Hudson, et al.	
	4	20090182837	A1	2009-07-16	Rogers, J. Andrew	
	5	20100057792	A1	2010-03-04	Ylonen, Tatu J.	

If you wish to add additional U.S. Published Application citation information please click the Add button. [Add](#)

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	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add](#)

NON-PATENT LITERATURE DOCUMENTS

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	"Aspects of Building an Object-Oriented Database Management Systems (OODBMS)", Retrieved on: July 31, 2008, 8 pages, Available at: http://www.mcobject.com/persit/persittheory.shtml	<input type="checkbox"/>
	2	ADL-TABATABAI, et al., "Unlocking Concurrency", In ACM Queue - Computer Architecture, Volume 4, Issue 10, December, 2006, pp. 24-33.	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.D./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	14822837
	Filing Date	08/10/2015
	First Named Inventor	Weirong Zhu
	Art Unit	2194
	Examiner Name	Not Yet Assigned Craig Dorais
	Attorney Docket Number	324914.03

	3	FELBER, et al., "Dynamic Performance Tuning of Word-Based Software Transactional Memory", In Proceedings of the 13th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming, February, 23, 2008, 9 Pages.	<input type="checkbox"/>
	4	HERLIHY, et al., "A Flexible Framework for Implementing Software Transactional Memory", In Proceedings of the 21st Annual ACM SIGPLAN Conference on Object-oriented Programming Systems, Languages, and Applications, Volume 41, Issue No. 10, October 22, 2006, pp. 253-262.	<input type="checkbox"/>
	5	MARATHE, et al., "Design Tradeoffs in Modern Software Transactional Memory Systems", In Proceedings of the 7th Workshop on Workshop on Languages, Compilers, and Run-time Support for Scalable Systems, October 2, 2004, 7 Pages.	<input type="checkbox"/>
	6	SPEAR, et al., "Inevitability Mechanisms for Software Transactional Memory", In Proceedings of the 3rd ACM SIGPLAN Workshop on Transactional Computing, Volume 160, February 11, 2008, 9 Pages.	<input type="checkbox"/>
	7	"Final Office Action in U.S Patent Application No. 12/243,371", Mailed Date: August 17, 2012, 17 Pages. (MS# 324914.01)	<input type="checkbox"/>
	8	"Non-final Office Action in U.S Patent Application No. 12/243,371", Mailed Date: March 15, 2012, 16 Pages. (MS# 324914.01)	<input type="checkbox"/>
	9	"Non-final Office Action in U.S Patent Application No. 12/243,371", Mailed Date: May 07, 2014, 23 Pages. (MS# 324914.01)	<input type="checkbox"/>
	10	"Notice of Allowance Received for U.S Patent Application No. 12/243,371", Mailed Date: September 17, 2014, 13 Pages. (MS# 324914.01)	<input type="checkbox"/>
	11	"Notice of Allowance Issued in U.S Patent Application No. 14/594,119", Mailed Date: April 07, 2015, 9 Page. (MS# 324914.02)	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button [Add](#)

EXAMINER SIGNATURE

Examiner Signature	/Craig Dorais/	Date Considered	08/31/2015
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.D./



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/805,683	07/22/2015	Amer Hassan	357611.01

CONFIRMATION NO. 7521 POA ACCEPTANCE LETTER



OC000000077412870

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/17/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/dgela/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/805,683	07/22/2015	3646	2220	357611.01	26	3

CONFIRMATION NO. 7521 UPDATED FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



Date Mailed: 09/15/2015

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Inventor(s)

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Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Assignment For Published Patent Application

Microsoft Technology Licensing, LLC, Redmond, WA

Power of Attorney: The patent practitioners associated with Customer Number 69316

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/805,683**

Projected Publication Date: 01/26/2017

Non-Publication Request: No

Early Publication Request: No

Title

Hierarchical Spectrum Offload

Preliminary Class

342

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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Title 37, Code of Federal Regulations, 5.11 & 5.15

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

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www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/721,471	05/26/2015	2621	1740	339169.03	20	3

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

CONFIRMATION NO. 6630 UPDATED FILING RECEIPT



CC000000077428323

Date Mailed: 09/15/2015

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Inventor(s)

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Tim Franklin, Seattle, WA;
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Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 69316

Domestic Priority data as claimed by applicant

This application is a CON of 13/955,229 07/31/2013 PAT 9063578

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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Projected Publication Date: 12/24/2015

Non-Publication Request: No

Early Publication Request: No

Title

ERGONOMIC PHYSICAL INTERACTION ZONE CURSOR MAPPING

Preliminary Class

345

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/721,183	05/26/2015	2658	1740	357185.01	20	3

CONFIRMATION NO. 1069 UPDATED FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



CC000000077428136

Date Mailed: 09/15/2015

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Inventor(s)

Gustav Träff, Sodra Sandby, SWEDEN;
To Tran, Arlov, SWEDEN;
Tor Andrae, Dalby, SWEDEN;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA

Power of Attorney: The patent practitioners associated with Customer Number 69316

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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Projected Publication Date: 12/01/2016

Non-Publication Request: No

Early Publication Request: No
Title

ADJUSTING LENGTH OF LIVING IMAGES

Preliminary Class

704

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/720,688	05/22/2015	2656	1740	041827-8066.US00	20	3

CONFIRMATION NO. 1034 UPDATED FILING RECEIPT

127768
Perkins Coie LLP
P.O. Box 1247
Seattle, WA 98111-1247



Date Mailed: 09/15/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Hannes Gamper, Seattle, WA;
Mark Richard Paul Thomas, Bellevue, WA;
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David Emerson Johnston, Bellevue, WA;

Applicant(s)

Hannes Gamper, Seattle, WA;
Mark Richard Paul Thomas, Bellevue, WA;
Ivan Jelev Tashev, Kirkland, WA;
David Emerson Johnston, Bellevue, WA;

Power of Attorney: The patent practitioners associated with Customer Number 127768

Domestic Applications for which benefit is claimed - None.

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/720,688**

Projected Publication Date: 11/24/2016

Non-Publication Request: No

Early Publication Request: No

Title

SYSTEMS AND METHODS FOR AUDIO CREATION AND DELIVERY

Preliminary Class

381

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/720,688	05/22/2015	Hannes Gamper	041827-8066.US00

CONFIRMATION NO. 1034

127768
Perkins Coie LLP
P.O. Box 1247
Seattle, WA 98111-1247

POA ACCEPTANCE LETTER



OC000000077409921

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/03/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/dgela/



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/608,816	01/29/2015	2167	1740	325916.03	20	3

CONFIRMATION NO. 6231 CORRECTED FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



CC000000077420006

Date Mailed: 09/15/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Robert M. Bruckner, Redmond, WA;
Christopher A. Hays, Monroe, WA;
Fang Wang, Redmond, WA;

Applicant(s)

Microsoft Technology Licensing LLC, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 69316

Domestic Priority data as claimed by applicant

This application is a CON of 14/504,201 10/01/2014
which is a CON of 12/394,066 02/27/2009 PAT 8874576

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 02/11/2015

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/608,816**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No
Title

REPORTING INCLUDING FILLING DATA GAPS AND HANDLING UNCATEGORIZED DATA

Preliminary Class

707

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.



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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/608,816	01/29/2015	Robert M. Bruckner	325916.03

CONFIRMATION NO. 6231

POA ACCEPTANCE LETTER



OC000000077419972

Date Mailed: 09/15/2015

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/03/2015.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/ygizaw/



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Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

69316 7590 09/15/2015
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

EXAMINER	
BAYARD, DJENANE M	
ART UNIT	PAPER NUMBER
2444	

DATE MAILED: 09/15/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/589,923	01/05/2015	Emmanouil Koukoumidis	336701.07	7962

TITLE OF INVENTION: PUSH-BASED RECOMMENDATIONS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

69316 7590 09/15/2015
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/589,923	01/05/2015	Emmanouil Koukoumidis	336701.07	7962

TITLE OF INVENTION: PUSH-BASED RECOMMENDATIONS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
BAYARD, DJENANE M	2444	709-206000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/589,923	01/05/2015	Emmanouil Koukoumidis	336701.07	7962
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				BAYARD, DJENANE M
ART UNIT		PAPER NUMBER		
2444				

DATE MAILED: 09/15/2015

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<i>Notice Requiring Inventor's Oath or Declaration</i>	Application No. 14/589,923	Applicant(s) Emmanouil Koukoumidis
	Examiner BAYARD, DJENANE M	Art Unit 2444

This notice is an attachment to the Notice of Allowability (PTOL-37), or the Notice of Allowability For A Design Application (PTOL-37D).

An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor has not yet been submitted.

An oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each inventor (for any inventor for which a compliant oath, declaration, or substitute statement has not yet been submitted) MUST be filed no later than the date on which the issue fee is paid. See 35 U.S.C. 115(f). Failure to timely comply will result in ABANDONMENT of this application.

A properly executed inventor's oath to declaration has not been received for the following inventor(s):

If applicant previously filed one or more oaths, declarations, or substitute statements, applicant may have received an informational notice regarding deficiencies therein.

The following deficiencies are noted:

INFORMAL ACTION PROBLEMS

- A properly executed inventor's oath or declaration has not been received for the following inventor(s): **Brian Beckman and James Anthony Whittaker**.

Applicant may submit the inventor's oath or declaration at any time before the Notice of Allowance and Fee(s) Due, PTOL-85, is mailed.

Questions relating to this Notice should be directed to the Application Assistance Unit at 571-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 14/589,923	Applicant(s) KOUKOUMIDIS ET AL.	
	Examiner DJENANE BAYARD	Art Unit 2444	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 8/21/15.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ . | |

The present application is being examined under the pre-AIA first to invent provisions.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: As per claim 1, The prior art on record fails to teach identify a triggering event associated with a user; determine one or more suggested entities corresponding to the triggering event, the one or more suggested entities comprising a first suggested entity and a second suggested entity, the first suggested entity having a first rank in association with a first factor, the second suggested entity having a second rank in association with the first factor, the first suggested entity having a third rank in association with a second factor, the second suggested entity having a fourth rank in association with the second factor, the first rank lower than the second rank, the third rank higher than the fourth rank; create a recommendation for the triggering event, the recommendation comprising the first suggested entity but not the second suggested entity based upon the first rank being lower than the second rank and the third rank being higher than the fourth rank; and push the recommendation to a device associated with the user in combination with all the element in the claim.

Claims 11 and 17 are allowed for similar reasons.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DJENANE BAYARD whose telephone number is (571)272-3878. The examiner can normally be reached on Monday- Friday 5:30 AM- 3: 00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter-Anthony Pappas can be reached on (571) 272-7646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DJENANE BAYARD/
Primary Examiner, Art Unit 2444



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/583,217	12/26/2014	Badriddine Khessib	339092.01

CONFIRMATION NO. 1081

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

ABANDONMENT/TERMINATION LETTER



OC00000007741862

Date Mailed: 09/15/2015

NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 01/13/2015.

- No reply was received.

If a complete reply to the notice was previously filed by applicant within the time period set forth in the notice, applicant may request for reconsideration of the holding of abandonment within 2 months from the mailing of this notice of abandonment by filing a petition to withdraw the holding of abandonment under 37 CFR 1.181(a). No petition fee is required. The petition must be accompanied by a true copy of the originally filed reply and the item(s) identified in one of the following:

1. A properly itemized date-stamped postcard receipt (see MPEP § 503);
2. If the originally filed reply included a certificate of mailing or transmission in compliance with 37 CFR 1.8(a), a copy of the certificate of mailing or transmission and a statement in compliance with 37 CFR 1.8(b) (see MPEP § 512); or
3. If the reply was filed via "Express Mail", (now "Priority Mail Express"), a submission satisfying the requirements of 37 CFR 1.10(e) including, for example, a copy of the mailing label showing the "date-in" (or "date accepted") (see MPEP § 513).

If applicant did not previously file complete reply within the time period set forth in the notice, applicant may file a petition to revive the application under 37 CFR 1.137.

Under 37 CFR 1.137, a petition requesting that the application be revived on the grounds of UNINTENTIONAL DELAY must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) the reply required to the outstanding Office action or notice, unless previously filed; (2) the petition fee set forth in 37 CFR 1.17(m); (3) a terminal disclaimer (and fee set forth in 37 CFR 1.20(d)) if required by 37 CFR 1.137(d); and (4) a statement that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition was unintentional. See MPEP 711.03(c) and Form PTO/SB/64.

Any questions concerning petitions to revive should be directed to the Office of Petitions at (571) 272-3282. Petitions should be mailed to Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

A copy of this notice MUST be returned with the reply.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/zretta/



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/578,836	12/22/2014	Aladdin A. Nassar	329287.02

CONFIRMATION NO. 2411

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

ABANDONMENT/TERMINATION LETTER



OC000000077414603

Date Mailed: 09/15/2015

NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 01/12/2015.

- No reply was received.

If a complete reply to the notice was previously filed by applicant within the time period set forth in the notice, applicant may request for reconsideration of the holding of abandonment within 2 months from the mailing of this notice of abandonment by filing a petition to withdraw the holding of abandonment under 37 CFR 1.181(a). No petition fee is required. The petition must be accompanied by a true copy of the originally filed reply and the item(s) identified in one of the following:

1. A properly itemized date-stamped postcard receipt (see MPEP § 503);
2. If the originally filed reply included a certificate of mailing or transmission in compliance with 37 CFR 1.8(a), a copy of the certificate of mailing or transmission and a statement in compliance with 37 CFR 1.8(b) (see MPEP § 512); or
3. If the reply was filed via "Express Mail", (now "Priority Mail Express"), a submission satisfying the requirements of 37 CFR 1.10(e) including, for example, a copy of the mailing label showing the "date-in" (or "date accepted") (see MPEP § 513).

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Any questions concerning petitions to revive should be directed to the Office of Petitions at (571) 272-3282. Petitions should be mailed to Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

A copy of this notice MUST be returned with the reply.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/zmoguss/



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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/504,891	10/02/2014	Karan Mehra	332974.07	5034
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				ELMORE, STEPHEN C
ART UNIT		PAPER NUMBER		
		2138		
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

stevensp@microsoft.com
chriochs@microsoft.com
usdocket@microsoft.com



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address : COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
14/504,891	02 October, 2014	MEHRA, KARAN	332974.07

MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052		EXAMINER	
		STEPHEN ELMORE	
ART UNIT	PAPER		
2138	20150909		

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The Information Disclosure Statement (IDS) filed 9/3/2015 has been considered.

A signed and dated copy of the IDS is attached.

/STEPHEN ELMORE/
Primary Examiner, Art Unit 2138

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	14504891
Filing Date	2014-10-02
First Named Inventor	Karan Mehra
Art Unit	2138
Examiner Name	Stephen C. Elmore
Attorney Docket Number	332974.07

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20060095706	A1	2006-05-04	Katsuo Aoyama	Entire Document

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	2007066259	JP	A	2007-03-15	Hitachi Ltd.	Entire Document in Japanese w/Abstract in English	<input type="checkbox"/>
	2	2008146536	JP	A	2008-06-26	Hitachi Ltd.	Entire Document in Japanese w/Abstract in English	<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		14504891
	Filing Date		2014-10-02
	First Named Inventor		Karan Mehra
	Art Unit		2138
	Examiner Name		Stephen C. Elmore
	Attorney Docket Number		332974.07

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Japanese Office Action cited in Japanese Patent Application No. 2014-529677 dated July 28, 2015, 3 Pages.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Stephen Elmore/	Date Considered	09/09/2015
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> <p>¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.</p>			

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	14504891
Filing Date	2014-10-02
First Named Inventor	Karan Mehra
Art Unit	2138
Examiner Name	Stephen C. Elmore
Attorney Docket Number	332974.07

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

- That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- See attached certification statement.
 The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
 A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David J. Stein/	Date (YYYY-MM-DD)	2015-09-03
Name/Print	David J. Stein	Registration Number	47965

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/504,201	10/01/2014	2167	1740	325916.02	1	1

CONFIRMATION NO. 8338
CORRECTED FILING RECEIPT

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052



CC000000077412978

Date Mailed: 09/15/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Robert M. Bruckner, Redmond, WA;
Christopher A. Hays, Monroe, WA;
Fang Wang, Redmond, WA;

Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 12/394,066 02/27/2009 PAT 8874576

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 11/17/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/504,201**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

REPORTING INCLUDING FILLING DATA GAPS AND HANDLING UNCATEGORIZED DATA

Preliminary Class

707

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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NOTICE OF ALLOWANCE AND FEE(S) DUE

69316 7590 09/15/2015
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

EXAMINER	
BROWN JR, NATHAN H	
ART UNIT	PAPER NUMBER
2129	

DATE MAILED: 09/15/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/459,224	08/13/2014	John Winn	334524.02	9095

TITLE OF INVENTION: PREDICTION OF USER RESPONSE ACTIONS TO RECEIVED DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

69316 7590 09/15/2015
MICROSOFT CORPORATION
 ONE MICROSOFT WAY
 REDMOND, WA 98052

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/459,224	08/13/2014	John Winn	334524.02	9095

TITLE OF INVENTION: PREDICTION OF USER RESPONSE ACTIONS TO RECEIVED DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
BROWN JR, NATHAN H	2129	706-012000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/459,224	08/13/2014	John Winn	334524.02	9095
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				BROWN JR, NATHAN H
		ART UNIT		PAPER NUMBER
2129				

DATE MAILED: 09/15/2015

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 14/459,224	Applicant(s) WINN ET AL.	
	Examiner NATHAN BROWN JR	Art Unit 2129	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the communication of May 18, 2015.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 21-27 and 29-40 renumbered as 1-19. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/phh/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ . | |

/NATHAN BROWN JR/
Examiner, Art Unit 2129

/JEFFREY A GAFFIN/
Supervisory Patent Examiner, Art Unit 2129



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/302,334	06/11/2014	Tarun Bhatia	341371.01	7180
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				RUTTEN, JAMES D
ART UNIT		PAPER NUMBER		
		2197		
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

stevensp@microsoft.com
chriochs@microsoft.com
usdocket@microsoft.com

Office Action Summary	Application No. 14/302,334	Applicant(s) BHAUTIA ET AL.	
	Examiner James D. Ruttan	Art Unit 2197	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 6/11/2014.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) Claim(s) 1-20 is/are pending in the application.
 5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) Claim(s) _____ is/are allowed.
- 7) Claim(s) 1-20 is/are rejected.
- 8) Claim(s) _____ is/are objected to.
- 9) Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) The specification is objected to by the Examiner.
- 11) The drawing(s) filed on 6/11/2014 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some** c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 3) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
- 2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
 Paper No(s)/Mail Date 6/11/2014, 9/1/2015
- 4) Other: _____.

DETAILED ACTION

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Claim Rejections - 35 USC § 103

2. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

3. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 2, and 14-16 are rejected under 35 U.S.C. 103 as being unpatentable over U.S. Patent Application Publication 2002/0100036 by Moshir et al. ("Moshir") in view of U.S. Patent Application Publication 2008/0127159 by Regenmorter ("Regenmorter").

In regard to claim 1, Moshir discloses:

1. A method for dynamically pacing upgrades to software service deployments, the method comprising: See Moshir, ¶ [0043], e.g. "The present invention provides

systems, methods, articles, and signals which help update existing software across a remote network."

in a user interface to an administrative portal for administering an initial deployment of a software service, surfacing a notification that an upgrade is available for the initial deployment; See Moshir, ¶ [0068]-[0069], e.g. "A website, reachable by a standard web browser or some other known or inventive network connection, provides the facilities to use the help desk services." Also see Moshir, ¶ [0080], [0099], [0101], and [0128], e.g. "This update list may now be used to update the target computers, and/or may be sent to an administrator by a notifier 916. ... If any modifications are made that may be of interest to the administrator, the notifier 916 will send a notification message containing the new patch updates that have become available." While a broad interpretation of the claim language allows Moshir to teach "surfacing" by way of teaching the use of a website, Regenmorter provides an even more particular teaching of surfacing a notification. See Regenmorter, Fig. 4C and ¶ [0074], e.g. "Then, the MFP 10 displays the information on the update availability window 154. The illustrated update availability window 154 displays currently available updates and check boxes on the right side of each of the available updates." It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention, to use Moshir's website with Regenmorter's notification in order to allow a user to select a desired update while opting out of undesired ones, as suggested by Regenmorter.

Moshir as modified by Regenmorter further teaches:

in response to a selection of the notification in the user interface, presenting upgrade controls in the user interface for controlling a pace of the upgrade with respect to service components of the initial deployment; and See Moshir, ¶ [0167][0168], [0171]- [0172], [0182], and [0185], e.g. "Schedule a Rollout." Regenmorter also teaches upgrade controls in response to notification selection. See Figs. 4B-4D and ¶ [0073]-[0075].

applying the upgrade incrementally to the service components based least in part on the pace of the upgrade specified via the upgrade controls. See Moshir, ¶ [0053], e.g. "software can be updated." ¶ [0058], e.g. "incremental software patch."

In regard to claim 2, the above rejection of claim 1 is incorporated. Moshir further discloses: *2. The method of claim 1 further comprising launching an upgraded deployment of the software service, wherein applying the upgrade incrementally to the service components based least in part on the pace of the upgrade specified via the upgrade controls comprises: when specified by the pace of the upgrade for each service component of the service components, loading the service component in the upgraded deployment and applying the upgrade to the service component.* See Moshir, ¶ [0053] and [0058].

In regard to claim 14, Moshir discloses:

14. One or more computer readable storage media having program instructions stored thereon for facilitating dynamically paced upgrades to software

service deployments that, when executed by a processing system, direct the processing system to at least: See Moshir, at least ¶ [0043]-[0044], e.g. “update existing software,” and “storage media.”

surface a notification in a user interface to an initial deployment of a software service that an upgrade is available with respect to the initial deployment and a notification control for navigating to upgrade controls with which to control a pace of the upgrade; and

See Moshir, ¶ [0068]-[0069], e.g. "A website, reachable by a standard web browser or some other known or inventive network connection, provides the facilities to use the help desk services." Also see Moshir, ¶ [0080], [0099], [0101], and [0128], e.g. "This update list may now be used to update the target computers, and/or may be sent to an administrator by a notifier 916. ... If any modifications are made that may be of interest to the administrator, the notifier 916 will send a notification message containing the new patch updates that have become available." Also see Moshir, ¶ [0167][0168], [0171]- [0172], [0182], and [0185], which teaches controlling a pace of the upgrade, e.g. "Schedule a Rollout." While a broad interpretation of the claim language allows Moshir to teach instructions to "surface" by way of teaching the use of a website, Regenmorter provides an even more particular teaching of surfacing a notification. See Regenmorter, Fig. 4C and ¶ [0074], e.g. "Then, the MFP 10 displays the information on the update availability window 154. The illustrated update availability window 154 displays currently available updates and check boxes on the right side of each of the available updates."

Regenmorter also teaches upgrade controls in response to notification selection. See Figs. 4B-4D and ¶ [0073]-[0075]. It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention, to use Moshir's website with Regenmorter's notification in order to allow a user to select a desired update while opting out of undesired ones, as suggested by Regenmorter.

responsive to an interaction with the notification control in the user interface, surface the upgrade controls in the user interface through which to accept user input defining the pace of the upgrade at least in terms of when to upgrade which portions of the initial deployment of the software service to an upgraded deployment of the software service. See Moshir, ¶ [0167][0168], [0171]- [0172], [0182], and [0185], which teaches controlling a pace of the upgrade, e.g. "Schedule a Rollout." Regenmorter also teaches upgrade controls in response to notification selection. See Figs. 4B-4D and ¶ [0073]-[0075].

In regard to claim 15, the above rejection of claim 14 is incorporated. Moshir further discloses: *15. The one or more computer readable storage media of claim 14 wherein the initial deployment of the software service comprises a plurality of service components and wherein the program instructions further direct the processing system to incrementally apply the upgrade to the plurality of service components based at least in part on the user input defining the pace of the upgrade.* See Moshir, ¶ [0053], e.g. "For example, package could refer to an entire program including all the necessary files, to one or more data files, to a software patch to an existing file, to a

change to a configuration file, to a *.dll file, a driver file for a specific piece of hardware attached to a computer and/or a computer network, and so on." Also see Moshir, ¶ [0053] and [0058].

In regard to claim 16, the above rejection of claim 15 is incorporated. Moshir further discloses: *16. The one or more computer readable storage media of claim 15 wherein, to incrementally apply the upgrade to the plurality of service components, the program instructions direct the processing system to at least: when specified by the pace of the upgrade for each service component of the service components, load the service component in the upgraded deployment and applying the upgrade to the service component.* See Moshir, ¶ [0053] and [0058].

5. Claims 3-5 are rejected under 35 U.S.C. 103 as being unpatentable over Moshir and Regenmorter as applied to claim 2 above, and further in view of U.S. Patent Application Publication 2009/0113072 by Little ("Little").

In regard to claim 3, the above rejection of claim 2 is incorporated. Moshir and Regenmorter do not expressly disclose the limitations of claim 3. However, Little teaches: *3. The method of claim 2 wherein the software service comprises a service identifier that resolves to the initial deployment such that service applications may communicate with the initial deployment using the service identifier,* See Little, Fig. 1, elements 115 and 120, depicting a router for resolving to a first service

version. ... *wherein the method further comprises: establishing an interim service identifier that differs from the service identifier and that resolves to the upgraded deployment such that at least a portion of the service applications may communicate with the upgraded deployment using the interim service identifier.* See Little, Fig. 1, and also ¶ [0028], e.g. "The forwarding rules 135 cause the message 108 to be forwarded to the second version of the service 125." It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention, to use Moshir's upgraded deployment with Little's forwarding rules in order for multiple versions of the service to remain operational until it is determined that all clients are compatible with the updated version of the service, as suggested by Little (see Little, ¶ [0027]).

In regard to claim 4, the above rejection of claim 3 is incorporated. Moshir as modified by Little further teaches: *4. The method of claim 3 further upon completing the upgrade, changing the service identifier to resolve to the upgraded deployment rather than the initial deployment such that the service applications may communicate with the upgraded deployment using the service identifier.* See Little, ¶ [0028], e.g. "The forwarding rules 135 cause the message 108 to be forwarded to the second version of the service 125."

In regard to claim 5, the above rejection of claim 4 is incorporated. Moshir as modified by Little further teaches: *5. The method of claim 4 wherein the service*

identifier comprises a uniform resource locator that initially resolves to an Internet protocol address associated with the initial deployment and wherein the interim service identifier comprises a second uniform resource locator that resolves to a second Internet protocol address associated with the upgraded deployment. See Little, Fig. 1, elements 120 and 125. Also see ¶ [0032] and [0036], e.g. “service address,” and “Internet.”

6. Claim 6 is rejected under 35 U.S.C. 103 as being unpatentable over Moshir, Regenmorter, and Little as applied to claim 5 above, and further in view of U.S. Patent Application Publication 2012/0072716 to Hu (“Hu”) and U.S. Patent Application Publication 7870535 to Rippert, Jr. (“Rippert”).

In regard to claim 6, the above rejection of claim 5 is incorporated. Moshir, Regenmorter, and Little do not expressly disclose the limitations of claim 6. However, Hu teaches: *6. The method of claim 5 wherein the software service comprises a multi-tenant environment having multiple tenants associated with multiple deployments of the software service, wherein the initial deployment and the upgrade deployment are associated with a specific tenant of the multiple tenants, wherein the uniform resource locator includes a name of the software service and a name of the specific tenant,* and Hu teaches URL associated with a tenant and service name. See Fig. 1, elements 116-A and 116-B, e.g. “TenantA.hostedrms...” It would have been obvious to one of ordinary skill in the art before the effective filing date of

the claimed invention, to use Little's address with Hu's URL in order to provide administrative features for particular tenants as suggested by Hu (see ¶ [0018]).

Hu does not expressly disclose: *wherein the second uniform resource locator includes the name of the software service, the name of the specific tenant, and a string expressive of an interim status of the interim service identifier.* However, Rippert teaches a string expressive of an interim status. See Rippert, col. 24, lines 51-54 and Fig. 20a, element 672, e.g. "separate test production URL." It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention, to use Little and Hu's addresses with Rippert's interim identifier in order to adhere to a certification testing process as suggested by Rippert (see Rippert, col. 24, lines 32-54).

7. Claim 7 is rejected under 35 U.S.C. 103 as being unpatentable over Moshir and Regenmorter as applied to claim 1 above, and further in view of U.S. Patent Application Publication 2012/0102480 by Hopmann et al. ("Hopmann").

In regard to claim 7, the above rejection of claim 1 is incorporated. Moshir and Regenmorter do not expressly disclose: *7. The method of claim 1 wherein the software service comprises an online collaboration service and wherein the service components comprise collaboration sites hosted by the initial deployment of the software service and, after applying the upgrade, by an upgraded deployment of the software service.* However, Hopmann teaches such service components comprising

collaboration sites. See at least ¶ [0021]-[0022], e.g. "For example, content farms may be deployed within each of the networks for a content management application, such as Microsoft SharePoint®." It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention, to use Moshir's upgraded deployment with Hopmann's collaboration sites in order to provide services in a manner that handles traffic directed to the service as suggested by Hopmann (see Hopmann, at least ¶ [0001]).

8. Claims 8-11 are rejected under 35 U.S.C. 103 as being unpatentable over Moshir and Little.

In regard to claim 8, Moshir discloses:

8. A method for dynamically pacing upgrades to software service deployments in multi- tenant environments, the method comprising: See Moshir, ¶ [0043], e.g. "The present invention provides systems, methods, articles, and signals which help update existing software across a remote network."

identifying a pace specified by a tenant at which to proceed with an upgrade to an initial deployment of the software service associated with the tenant, See Moshir, ¶ [0167][0168], [0171]- [0172], [0182], and [0185], e.g. "Schedule a Rollout."

wherein the initial deployment of the software service comprises a plurality of service components ... See Moshir, ¶ [0053], e.g. "For example, package could refer to an entire program including all the necessary files, to one or more data files, to a

software patch to an existing file, to a change to a configuration file, to a *.dll file, a driver file for a specific piece of hardware attached to a computer and/or a computer network, and so on.”

Moshir does not expressly disclose the remaining limitations. However, Little teaches these elements as follows:

... and is associated with a service identifier used by service applications to access the initial deployment of the software service; Little teaches a service identifier used by service applications to access an initial deployment of a service. See Little, at least Fig. 1, elements 105, 115, and 120. Client 105 utilizes content based router 115 to access service 120.

while the upgrade progresses incrementally in accordance with the pace, resolving an interim service identifier that differs from the service identifier to an upgraded deployment of the software service such that at least a portion of the service applications may access the upgraded deployment of the software service using the interim service identifier; and Little discloses resolving an interim identifier of an upgraded deployment. See Little, Fig. 1, elements 120 and 125, depicting two versions of a service. Also see ¶[0027], e.g. “It is beneficial for multiple versions of the service to remain operational until it is determined that all clients are compatible with the updated version of the service.” Also see ¶ [0032], e.g. “Each service 120, 125 may have a service address to which messages directed to the service are sent.”

upon completing the upgrade, resolving the service identifier to the upgraded deployment of the software service such that the service applications may access the upgraded deployment of the software service using the service identifier. See Little, ¶ [0028], e.g. “The forwarding rules 135 cause the message 108 to be forwarded to the second version of the service 125.”

It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention, to use Moshir’s upgraded deployment with Little’s forwarding rules in order for multiple versions of the service to remain operational until it is determined that all clients are compatible with the updated version of the service, as suggested by Little (see Little, ¶ [0027]).

In regard to claim 9, the above rejection of claim 8 is incorporated. All further limitations have been addressed in the above rejection of claim 1.

In regard to claim 10, the above rejection of claim 9 is incorporated. All further limitations have been addressed in the above rejection of claim 2.

In regard to claim 11, the above rejection of claim 8 is incorporated. All further limitations have been addressed in the above rejection of claim 5.

9. Claim 12 is rejected under 35 U.S.C. 103 as being unpatentable over Moshir and Little as applied in the rejection of claim 11 above, and further in view of Hu and Rippert.

In regard to claim 12, the above rejection of claim 11 is incorporated. All further limitations have been addressed in the above rejection of claim 6.

10. Claim 13 is rejected under 35 U.S.C. 103 as being unpatentable over Moshir and Little as applied in the rejection of claim 8 above, and further in view of Hopmann.

In regard to claim 13, the above rejection of claim 8 is incorporated. All further limitations have been addressed in the above rejection of claim 7.

11. Claims 17-20 are rejected under 35 U.S.C. 103 as being unpatentable over Moshir, and Regenmorter as applied to claim 14 above, and further in view of Little and Rippert.

In regard to claim 17, the above rejection of claim 14 is incorporated. Moshir and Regenmorter do not expressly disclose the features of claim 17. However, Little teaches: *17. The one or more computer readable storage media of claim 14 wherein the initial deployment of the software service is associated with a service identifier used by service applications to access the initial deployment of the software service* and See Little, Fig. 1, elements 115 and 120, depicting a router for resolving to a first service version. It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention, to use Moshir's upgraded deployment with Little's forwarding rules in order for multiple versions of the

service to remain operational until it is determined that all clients are compatible with the updated version of the service, as suggested by Little (see Little, ¶ [0027]).

Moshir, Regenmorter, and Little do not expressly disclose: ... *wherein the update controls include an identifier control through which to specify an interim service identifier that differs from the service identifier and that resolves to the upgraded deployment of the software service such that at least a portion of the service applications may access the upgraded deployment of the software service using the interim service identifier.* However, Rippert teaches a string expressive of an interim status. See Rippert, col. 24, lines 51-54 and Fig. 20a, element 672, e.g. "separate test production URL." It would have been obvious to one of ordinary skill in the art before the effective filing date of the claimed invention, to use Regenmorter's controls and Little's resolver with Rippert's interim identifier in order to adhere to a certification testing process as suggested by Rippert (see Rippert, col. 24, lines 32-54).

In regard to claim 18, the above rejection of claim 17 is incorporated. All further limitations have been addressed in the above rejection of claim 4.

In regard to claim 19, the above rejection of claim 18 is incorporated. All further limitations have been addressed in the above rejection of claim 5.

In regard to claim 20, the above rejection of claim 19 is incorporated. Moshir as modified by Little further discloses: *20. The one or more computer readable storage media of claim 19 wherein the software service comprises one of an online collaboration service, a productivity application service, a unified communications service, a personal information management service, a gaming service, and a database application service.* See Little, ¶ [0019], e.g. “request contact information.” This applies to a broad but reasonable interpretation of a “personal information management service.”

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 8,321,858 to Marmaros et al. (“Marmaros”). See Abstract, e.g. “throttled.” Also see detx 23, e.g. “installation rate.”

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James D. Rutten whose telephone number is (571)272-3703. The examiner can normally be reached on M-F 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Li B. Zhen can be reached on (571)272-3768. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/James D. Rutten/
Primary Examiner, Art Unit 2197

Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination	
		14/302,334	BHATIA ET AL.	
Examiner		Art Unit		Page 1 of 1
James D. Rutten		2197		

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2002/0100036 A1	07-2002	Moshir, Sean	G06F8/62	717/173
*	B	US-2008/0127159 A1	05-2008	Regenmorter; Mark Van	G06F8/65	717/168
*	C	US-2009/0113072 A1	04-2009	Little; Mark Cameron	H04L67/327	709/244
*	D	US-7,870,535 B2	01-2011	Rippert, Jr.; Donald J.	G06F8/20	717/100
*	E	US-2012/0072716 A1	03-2012	Hu; Jason Xiaodong	G06F21/602	713/156
*	F	US-2012/0102480 A1	04-2012	Hopmann; Alexander	G06F8/67	717/172
*	G	US-8,321,858 B1	11-2012	Marmaros; David	G06F8/65	717/173
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Doc code: IDS

PTO/SB/08a (03-15)

Doc description: Information Disclosure Statement (IDS) Filed

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	14302334
Filing Date	2014-06-11
First Named Inventor	Tarun Bhatia
Art Unit	2197
Examiner Name	James D. Ruttan
Attorney Docket Number	341371.01

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	Filing Date	2014-06-11
	First Named Inventor	Tarun Bhatia
	Art Unit	2197
	Examiner Name	James D. Rutten
	Attorney Docket Number	341371.01

1	"International Search Report and Written Opinion Issued For PCT Patent Application No. PCT/US2015/035003", Mailed Date: August 07, 2015, 12 Pages. (MS# 341371.02)	<input type="checkbox"/>
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	First Named Inventor		Tarun Bhatia
	Art Unit		2197
	Examiner Name		James D. Rutten
	Attorney Docket Number		341371.01

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That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Stephen S. Roche/	Date (YYYY-MM-DD)	2015-09-01
Name/Print	Stephen S. Roche	Registration Number	52176

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Filing Date	
First Named Inventor	Bhatia, Tarun
Art Unit	
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	1	7016944		2006-03-21	Meyer, et al.	
	2	7584467		2009-09-01	Wickham, et al.	
	3	7721332		2010-05-18	Stamper, et al.	
	4	6353926		2002-03-05	Parthesarathy, et al.	
	5	7818740		2010-10-19	Bankston, et al.	
	6	8296267		2012-10-23	Cahill, Jason M.	

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	First Named Inventor		Bhatia, Tarun	
	Art Unit			
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	Attorney Docket Number		341371.01	

	1	20130117738	A1	2013-05-09	Livingston, et al.	
	2	20130042230	A1	2013-02-14	Little, et al.	
	3	20060206587	A1	2006-09-14	Fabbrocino, Frank	

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/J.R./	1	"Upgrade a site collection to SharePoint Online 2013", Retrieved on: February 26, 2014, Available at: http://office.microsoft.com/en-in/office365-sharepoint-online-enterprise-help/upgrade-a-site-collection-to-sharepoint-online-2013-HA102865473.aspx#_Create_an_evaluation	<input type="checkbox"/>
/J.R./	2	REIMER, LUKE, "Blackberry Playbook OS 2.1", Published on: October 05, 2012, Available at: http://bizblog.blackberry.com/2012/10/playbook-os-software-update/	<input type="checkbox"/>
/J.R./	3	"Change how Windows Installs or Notifies you About Updates", Retrieved on: February 26, 2014, Available at: http://windows.microsoft.com/en-in/windows/change-windows-update-installation-notification#1TC=windows-7 Note: Title is obscured in printed document	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		
	Filing Date		
	First Named Inventor	Bhatia, Tarun	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	341371.01	

/J.R./	4	"IT Administration Configure Auto-Update Notification Flash Player", Published on: March 23, 2012, Available at: http://helpx.adobe.com/flash-player/kb/administration-configure-auto-update-notification.html	<input type="checkbox"/>
/J.R./	5	LEFEBVRE, ROB, "Get Rid Of Those Pesky Software Update Notifications [OS X Tips]", Published on: November 30, 2012, Available at: http://www.cultofmac.com/203546/get-rid-of-those-pesky-software-update-notifications-os-x-tips/	<input type="checkbox"/>
/J.R./	6	"Understanding Visual Upgrade in SharePoint 2010", Published on: November, 2010, Available at: http://msdn.microsoft.com/en-us/library/gg454789(v=office.14).aspx	<input type="checkbox"/>
/J.R./	7	"Upgrade content databases to SharePoint 2013", Published on: July 16, 2012, Available at: http://technet.microsoft.com/en-us/library/cc263299.aspx	<input type="checkbox"/>
/J.R./	8	JESTER, BENOIT, "SharePoint 2013: Upgrade a Site Collection (User Interface and PowerShell)", Published on: October 30, 2013, Available at: http://social.technet.microsoft.com/wiki/contents/articles/20682.sharepoint-2013-upgrade-a-site-collection-user-interface-and-powershell.aspx	<input type="checkbox"/>
/J.R./	9	"Office 365 Community Blog", Retrieved on: February 25, 2014, Posted online 5/3/2013 Available at: http://community.office365.com/en-us/blogs/office_365_community_blog/archive/2013/05/03/upgrading-to-the-new-sharepoint-online.aspx	<input type="checkbox"/>

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EXAMINER SIGNATURE

Examiner Signature	/James Rutter/	Date Considered	09/04/2015
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Bhatia, Tarun	
Art Unit		
Examiner Name		
Attorney Docket Number	341371.01	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication
 from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to
 any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- See attached certification statement.
 The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
 A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Stephen S. Roche/	Date (YYYY-MM-DD)	2014-06-11
Name/Print	Stephen S. Roche	Registration Number	52176

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/298,740	06/06/2014	Nicolas Drouin	13768.2393	7071
47973	7590	09/15/2015	EXAMINER	
WORKMAN NYDEGGER/MICROSOFT 60 EAST SOUTH TEMPLE SUITE 1000 SALT LAKE CITY, UT 84111				OCAK, ADIL
ART UNIT		PAPER NUMBER		
2426				
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docketing@wnlaw.com
usdocket@microsoft.com

Office Action Summary	Application No. 14/298,740	Applicant(s) DROUIN ET AL.	
	Examiner ADIL OCAK	Art Unit 2426	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 6/6/2014.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a) This action is **FINAL**. 2b) This action is non-final.

3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) Claim(s) 1-20 is/are pending in the application.
 5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) Claim(s) _____ is/are allowed.

7) Claim(s) 1-20 is/are rejected.

8) Claim(s) _____ is/are objected to.

9) Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10) The specification is objected to by the Examiner.

11) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) All b) Some** c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	3) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date: _____
2) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date <u>6/6/2014</u> .	4) <input type="checkbox"/> Other: _____

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DETAILED ACTION

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.
2. This action is in response to application 14/298740 filed 6/6/2014.
3. Claims 1-20 are presented for examination.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

5. **Claims 1-2, 4-13, and 15-20** are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Lewis et al., Pat No US 8,677,428 B2 (hereinafter Lewis).

Regarding Claim 1, Lewis discloses **in a computing environment, a method of providing a VOD or streaming video manifest, the method comprising:**

at a server [FIG.1: discloses dynamic manifest file server 110.], **receiving a request for a manifest from a client device** [col.3, lines 16-18: Discloses a client device 150 may send a request to dynamic manifest file server 110 for live video content.], **wherein the request for a manifest comprises an identification of one or more filters to be applied to a returned manifest** [col.3, lines 25-35: Discloses a user 185 may navigate via a web browser to a video streaming portal site accessible over network 130 to click on a link directed to dynamic manifest file server 110 for access to live video stream content. Media player application 156 may then send a request, such as a HTTP GET request over network 130 to dynamic manifest file server 110. Dynamic manifest file server 110 may then forward various parameters received from the request originating from client device 150 to rule resolution server

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120. Client device 150 may also explicitly send parameter data (filters) to dynamic manifest file server 110 voluntarily or in response to a request for client parameters.];

identifying the manifest, wherein the manifest identifies different portions of a multimedia asset that can be delivered to client devices applying the one or more identified filters to the manifest to generate a filtered manifest that excludes one or more items as dictated by the one or more filters [Col.3, lines 36-38: Discloses the dynamic manifest file server 110 then utilize rule resolution server 120 to evaluate various business rules and create a dynamically tailored manifest file accordingly; and col.5, lines 58-67 thru col.6, lines 1-4: Discloses FIG. 3 illustrates client or device targeting, wherein video content is processed and customized according to particular client device parameters. As shown in FIG. 3, dynamic manifest file server 310 provides manifest files for a diverse range of client device platforms, including Flash Player plugin 356a at client device 350a, HTTP Live Streaming client 356b at client device 350b, and native binary application 356c at client device 356c. Platform rule set 322a may include various rules as how to customize video content based on the target device platform to be supported. Additionally, displays 360a, 360b, and 360c each utilize different screen resolutions (filters) to display video content, and resolution rule set 322b may include various rules as how to resize video content based on the target display resolution; and col.5, lines 25-29: Discloses Additional rules (filters) may be specified, for example to provide targeted advertising based on user tracking profiles, client device profiles, geographic regions, and other parameters, highly targeted advertising is possible even in live streaming embodiments; and Col.3, lines 36-38: Discloses the tailored manifest file is passed back to client device 150 over network 130 and placed into memory 155 as manifest file 157, as shown in 40 FIG. 1.]; **and**

returning the filtered manifest to the client device [Col.3, lines 38-41: Discloses which may then be passed back to client device 150 over network 130 and placed into memory 155 as manifest file 157, as shown in 40 FIG. 1.].

Regarding Claim 2, Lewis discloses **the method of claim 1**, and Lewis further discloses **wherein the one or more filters are created at the client device** [Col.3, lines 33-35: Discloses the client device 150

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may also explicitly send parameter data to dynamic manifest file server 110 voluntarily or in response to a request for client parameters.]

Regarding Claim 4, Lewis discloses **the method of claim 1**, and Lewis further discloses **further comprising sending an indication of a selection of filters that can be applied at the server to the client device, and wherein the identification of one or more filters to be applied to a returned manifest is created by the client using the indication of a selection of filters that can be applied** [col.4, lines 4-10: Disclose Rules evaluated by rule resolution server 120 may also be directed towards other functions besides advertisement insertion, such as enhanced security, video content customization, client or user targeting, geographic or region targeting, content delivery network load balancing, priority broadcasts for concurrent playback, and other functions.; and col.3, lines 42-46: Discloses a media player application 156 may then interpret (applying filters to client device) manifest file 157 to playback video content on display 160. For example, manifest file 157 may reference live video segments 175 and ad video segments 145 on servers hosted in content delivery network 135, accessible over network 130.].

Regarding Claim 5, Lewis discloses **the method of claim 1**, and Lewis further discloses **wherein at least one of the one or more filters includes both an upper and lower limit** [col.7, lines 40-41: Discloses rules may implement enhanced security features, such as limiting or granting access or providing keys based on time 40 windows (lower – upper limit) or rental periods (range), HTTP cookie or login status, client device identification, or other criteria.].

Regarding Claim 6, Lewis discloses **the method of claim 1**, and Lewis further discloses **wherein at least one of the one or more filters is configured to filter based on video resolution** [col.5, lines65-67 & col.6, lines 1- 4: Discloses platform rule set 322a may include various rules as how to customize video content based on the target device platform to be supported. Displays 360a, 360b, and 360c each utilize different screen resolutions to display video content, and resolution rule set 322b may include various rules as how to resize video content based on the target display resolution.].

Regarding Claim 7, Lewis discloses **the method of claim 1**, and Lewis further discloses **wherein at least one of the one or more filters is configured to filter based on at least one of audio or video bitrate** [col.7, lines 6-9: Discloses multiple bit-rate streams may be encoded and referenced in the generated manifest files to allow graceful degradation to lower bit-rate video in response to adverse network conditions.].

Regarding Claim 8, Lewis discloses **the method of claim 1**, and Lewis further discloses **wherein at least one of the one or more filters is configured to filter based on at least one of audio channels, codec or language** [col.7, lines 25-27: Discloses configuring processed video segments to include subtitles or a dubbed language track based on detected region.].

Regarding Claim 9, Lewis discloses **the method of claim 1**, and Lewis further discloses **wherein at least one of the one or more filters is configured to filter based on time stamps** [col.8, lines 52-56: Discloses processor 121 of rule resolution server 120 may evaluate a dynamic advertisement insertion rule dictating specific advertisements and time blocks for substituting ad video segments 145 within live video segments 175 when generating manifest file 157.].

Regarding Claim 10, Lewis discloses **in a computing environment, a method of managing VOD or streaming video assets, the method comprising:**

for a given asset, identifying filters that can be applied to a manifest for the asset [col.5, lines 58-67 thru col.6, lines 1-4: Discloses FIG. 3 illustrates client or device targeting, wherein video content is processed and customized according to particular client device parameters. As shown in FIG. 3, dynamic manifest file server 310 provides manifest files for a diverse range of client device platforms, including Flash Player plugin 356a at client device 350a, HTTP Live Streaming client 356b at client device 350b, and native binary application 356c at client device 356c. Platform rule set 322a may include various rules as how to customize video content based on the target device platform to be supported.

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Additionally, displays 360a, 360b, and 360c each utilize different screen resolutions (filters) to display video content, and resolution rule set 322b may include various rules as how to resize video content based on the target display resolution; and col.5, lines 25-29: Discloses Additional rules (filters) may be specified, for example to provide targeted advertising based on user tracking profiles, client device profiles, geographic regions, and other parameters, highly targeted advertising is possible even in live streaming embodiments.]; **and**

sending to a client device an indication of the identified filters that can be applied to the manifest for the asset [Col.3, lines 36-38: Discloses the dynamic manifest file server 110 then utilize rule resolution server 120 to evaluate various business rules and create a dynamically tailored manifest file (identified filters) accordingly. Then the tailored manifest file is passed back to client device 150 over network 130 and placed into memory 155 as manifest file 157, as shown in 40 FIG. 1.].

Regarding Claim 11, Lewis discloses **the method of claim 10**, and Lewis further discloses **further comprising, receiving an indication from the client device that one or more filters from the identified filters should be applied to the manifest, and as a result, sending a filtered manifest to the client device that is filtered by applying the one or more filters indicated from the client** [col.4, lines 4-10: Disclose Rules evaluated by rule resolution server 120 may also be directed towards other functions besides advertisement insertion, such as enhanced security, video content customization, client or user targeting, geographic or region targeting, content delivery network load balancing, priority broadcasts for concurrent playback, and other functions.; and col.3, lines 42-46: Discloses a media player application 156 may then interpret (applying filters to client device) manifest file 157 to playback video content on display 160. For example, manifest file 157 may reference live video segments 175 and ad video segments 145 on servers hosted in content delivery network 135, accessible over network 130.].

Regarding Claim 12, Lewis discloses **in a computing environment, a system for providing a VOD or streaming video manifest, the system comprising:**

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one or more processors [FIG.1: Discloses a processor 111 with the dynamic manifest file server 110, discloses a processor 121 with rule resolution server 120, and discloses a processor 151 with the client device 150.]; **and**

one or more computer readable media [FIG.1: Discloses memory 155 in client device; and col.3, lines 4-6: Discloses network of servers for storage.], **wherein the one or more computer readable media comprise computer executable instructions** [FIG.4: Discloses an application executing on a client device 410.] **that when executed by at least one of the one or more processors cause the system to perform the following:**

at a server [FIG.1: discloses dynamic manifest file server 110.], **receiving a request for a manifest from a client device** [col.3, lines 16-18: Discloses a client device 150 may send a request to dynamic manifest file server 110 for live video content.], **wherein the request for a manifest comprises an identification of one or more filters to be applied to a returned manifest** [col.3, lines 25-35: Discloses a user 185 may navigate via a web browser to a video streaming portal site accessible over network 130 to click on a link directed to dynamic manifest file server 110 for access to live video stream content. Media player application 156 may then send a request, such as a HTTP GET request over network 130 to dynamic manifest file server 110. Dynamic manifest file server 110 may then forward various parameters received from the request originating from client device 150 to rule resolution server 120. Client device 150 may also explicitly send parameter data (filters) to dynamic manifest file server 110 voluntarily or in response to a request for client parameters.];

identifying the manifest, wherein the manifest identifies different portions of a multimedia asset that can be delivered to client devices [Col.3, lines 36-38: Discloses the dynamic manifest file server 110 then utilize rule resolution server 120 to evaluate various business rules and create a dynamically tailored manifest file accordingly; and col.5, lines 58-67 thru col.6, lines 1-4: Discloses FIG. 3 illustrates client or device targeting, wherein video content is processed and customized according to particular client device parameters. As shown in FIG. 3, dynamic manifest file server 310 provides manifest files for a diverse range of client device

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platforms, including Flash Player plugin 356a at client device 350a, HTTP Live Streaming client 356b at client device 350b, and native binary application 356c at client device 356c. Platform rule set 322a may include various rules as how to customize video content based on the target device platform to be supported. Additionally, displays 360a, 360b, and 360c each utilize different screen resolutions (filters) to display video content, and resolution rule set 322b may include various rules as how to resize video content based on the target display resolution; and col.5, lines 25-29: Discloses Additional rules (filters) may be specified, for example to provide targeted advertising based on user tracking profiles, client device profiles, geographic regions, and other parameters, highly targeted advertising is possible even in live streaming embodiments; and Col.3, lines 36-38: Discloses the tailored manifest file is passed back to client device 150 over network 130 and placed into memory 155 as manifest file 157, as shown in 40 FIG. 1.];

applying the one or more identified filters to the manifest to generate a filtered manifest that excludes one or more items as dictated by the one or more filters [col.5, lines 58-67 thru col.6, lines 1-4: Discloses additionally, displays 360a, 360b, and 360c each utilize different screen resolutions (filters) to display video content, and resolution rule set 322b may include various rules as how to resize video content based on the target display resolution. Thus, the filtered resolution selection would exclude the resolution setting that has not been selected.]; **and**

returning the filtered manifest to the client device [Col.3, lines 38-41: Discloses which may then be passed back to client device 150 over network 130 and placed into memory 155 as manifest file 157, as shown in 40 FIG. 1.].

Regarding Claim 13, Lewis discloses **the system of claim 12**, and Lewis further discloses **wherein the one or more filters are created at the client device** [Col.3, lines 33-35: Discloses the client device 150 may also explicitly send parameter data to dynamic manifest file server 110 voluntarily or in response to a request for client parameters.].

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Regarding Claim 15, Lewis discloses **the system of claim 12**, and Lewis further discloses **the one or more computer readable media, further comprising computer executable instructions that when executed by at least one of the one or more processors cause the system to send an indication of a selection of filters that can be applied at the server to the client device, and wherein the identification of one or more filters to be applied to a returned manifest is created by the client using the indication of a selection of filters that can be applied** [col.4, lines 4-10: Disclose Rules evaluated by rule resolution server 120 may also be directed towards other functions besides advertisement insertion, such as enhanced security, video content customization, client or user targeting, geographic or region targeting, content delivery network load balancing, priority broadcasts for concurrent playback, and other functions.; and col.3, lines 42-46: Discloses a media player application 156 may then interpret (applying filters to client device) manifest file 157 to playback video content on display 160. For example, manifest file 157 may reference live video segments 175 and ad video segments 145 on servers hosted in content delivery network 135, accessible over network 130.].

Regarding Claim 16, Lewis discloses **the system of claim 12**, and Lewis further discloses **wherein at least one of the one or more filters includes both an upper and lower limit** [col.7, lines 40-41: Discloses rules may implement enhanced security features, such as limiting or granting access or providing keys based on time 40 windows (lower – upper limit) or rental periods (range), HTTP cookie or login status, client device identification, or other criteria.].

Regarding Claim 17, Lewis discloses **the system of claim 12**, and Lewis further discloses **wherein at least one of the one or more filters is configured to filter based on video resolution** [col.5, lines 65-67 & col.6, lines 1- 4: Discloses platform rule set 322a may include various rules as how to customize video content based on the target device platform to be supported. Displays 360a, 360b, and 360c each utilize different screen resolutions to display video content, and resolution rule set 322b may include various rules as how to resize video content based on the target display resolution.].

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Regarding Claim 18, Lewis discloses **the system of claim 12**, and Lewis further discloses **wherein at least one of the one or more filters is configured to filter based on at least one of audio or video bitrate** [col.7, lines 6-9: Discloses multiple bit-rate streams may be encoded and referenced in the generated manifest files to allow graceful degradation to lower bit-rate video in response to adverse network conditions.].

Regarding Claim 19, Lewis discloses **the system of claim 12**, and Lewis further discloses **wherein at least one of the one or more filters is configured to filter based on at least one of audio channels, codec or language** [col.7, lines 25-27: Discloses configuring processed video segments to include subtitles or a dubbed language track based on detected region.].

Regarding Claim 20, Lewis discloses **the system of claim 12**, and Lewis further discloses **wherein at least one of the one or more filters is configured to filter based on time stamps** [col.8, lines 52-56: Discloses processor 121 of rule resolution server 120 may evaluate a dynamic advertisement insertion rule dictating specific advertisements and time blocks for substituting ad video segments 145 within live video segments 175 when generating manifest file 157.].

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2426

7. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

8. **Claims 3-14** are rejected under 35 U.S.C. 103 as being unpatentable over Lewis et al., Pat No US 8,677,428 B2 (hereinafter Lewis) in view of Pyrce et al., Pub No US 2006/0031187 A1 (hereafter Pyrce).

Regarding Claim 3, Lewis discloses **the method of claim 1**, and Lewis does not explicitly disclose **wherein the one or more filters are selected from a predefined set of filters provided to client**. However, in analogous art, Pyrce discloses creating a session from a manifest which lists the components and their initial properties to be created in the session. Alternatively a default session (predefined set of filters) may be generated in response to a user request based upon a stored default manifest. The default visualization session may then be modified by subsequent user actions against the default visualization. Therefore, it would have been obvious to one of ordinary skill in the art before the effective filling date of the invention to modify Lewis in view of Pyrce to have predefined set of filters provided to clients. One would be motivated at the time of the invention to have this capability since a need remains for systems and methods to be more effective (Pyrce: paragraph 0018). Having such capability would provide the user not spend the time required setting all filters since they have all been predefined. The user would only set the filters that need changed.

Regarding Claim 14, Lewis discloses **the system of claim 12**, and Lewis does not explicitly disclose **wherein the one or more filters are selected from a predefined set of filters provided to client**.

Art Unit: 2426

However, in analogous art, Pyrce discloses creating a session from a manifest which lists the components and their initial properties to be created in the session. Alternatively a default session (predefined set of filters) may be generated in response to a user request based upon a stored default manifest. The default visualization session may then be modified by subsequent user actions against the default visualization. Therefore, it would have been obvious to one of ordinary skill in the art before the effective filling date of the invention to modify Lewis in view of Pyrce to have predefined set of filters provided to clients. One would be motivated at the time of the invention to have this capability since a need remains for systems and methods to be more effective (Pyrce: paragraph 0018). Having such capability would provide the user not spend the time required setting all filters since they have all been predefined. The user would only set the filters that need changed.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Bjordammen et al., (US 9,124,947 B2)
- Bocharov et al., (US 8,392, 748 B2)
- Kumar Gopalakrishnan, (US 8,341,255 B2)
- Myers et al., (US 8,190,677 B2)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ADIL OCAK whose telephone number is (571)272-2774. The examiner can normally be reached on M-F 8:00 AM - 5:00 PM.

Examiner's Note: The Examiner has cited particular paragraphs or columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in their entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or

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disclosed by the Examiner. In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Goodarzi can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system; contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. O./
Examiner, Art Unit 2426

/NASSER GOODARZI/
Supervisory Patent Examiner, Art Unit 2426

Notice of References Cited		Application/Control No. 14/298,740	Applicant(s)/Patent Under Reexamination DROUIN ET AL.	
		Examiner ADIL OCAK	Art Unit 2426	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-8,677,428	03-2014	Lewis et al.	725/91
*	B	US-2006/0031187	02-2006	Pyrce et al.	707/001
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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	Q					
	R					
	S					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	2014-06-06
First Named Inventor	Drouin, Nick
Art Unit	
Examiner Name	Not Yet Assigned
Attorney Docket Number	13768.2393

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/A.O./	1	8190674		2012-05-29	Narayanan, et al.	
/A.O./	2	8099490		2012-01-17	Deakin, Ian	

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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/A.O./	1	20130311670	A1	2013-11-21	Tarbox, et al.	
/A.O./	2	20120222063	A1	2012-08-30	Mao, et al.	
/A.O./	3	20120173753	A1	2012-07-05	Moorthy, Praveen N.	
/A.O./	4	20100195974	A1	2010-08-05	Zheng, et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>		Application Number			
		Filing Date		2014-06-06	
		First Named Inventor		Drouin, Nick	
		Art Unit			
		Examiner Name		Not Yet Assigned	
		Attorney Docket Number		13768.2393	

/A.O./	5	20140025836	A1	2014-01-23	Gupta, Piyush	
/A.O./	6	20130067036	A1	2013-03-14	Nooney, et al.	
/A.O./	7	20120271920	A1	2012-10-25	Isaksson, Tommy	
/A.O./	8	20130136190	A1	2013-05-30	Hallmarker, et al.	
/A.O./	9	20090030952	A1	2009-01-29	Donahue, et al.	
/A.O./	10	20130179587	A1	2013-07-11	Xiong, et al.	
/A.O./	11	20110231885	A1	2011-09-22	Liu, et al.	

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/A.O./	1	2014004955	WO	A1	2014-01-03	Azuki Systems Inc		<input type="checkbox"/>
/A.O./	2	2011090715	WO	A2	2011-07-28	Akamai Tech Inc		<input type="checkbox"/>

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/Adil Ocak/

09/06/2015

All REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.O./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		
	Filing Date		2014-06-06
	First Named Inventor		Drouin, Nick
	Art Unit		
	Examiner Name		Not Yet Assigned
	Attorney Docket Number		13768.2393

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.		T5
/A.O./	1	"Manifest Manipulation", Retrieved on: January 29, 2014, Available at: http://cdn2.hubspot.net/hub/111935/file-323914856-pdf/Documents/DMM_with_SDC.pdf		<input type="checkbox"/>
/A.O./	2	"Dynamic Packaging", Published on: September 27, 2013, Available at: http://msdn.microsoft.com/en-us/library/windowsazure/jj889436.aspx		<input type="checkbox"/>
/A.O./	3	STAYKOV, ANTON, "A Look into Windows Azure Media Services", Published on: October 10, 2013, Available at: https://www.simple-talk.com/cloud/platform-as-a-service/a-look-into-windows-azure-media-services/		<input type="checkbox"/>
/A.O./	4	DEUTSCHER, JOHN, "Apple HTTP Live Streaming with IIS Media Services", Published on: June 10, 2010, Available at: http://www.iis.net/learn/media/live-smooth-streaming/apple-http-live-streaming-with-iis-media-services		<input type="checkbox"/>
/A.O./	5	"Working with a DVR Rolling Window in OSMF", Published on: September 18, 2012, Available at: http://help.adobe.com/en_US/OSMF/1.0/Dev/WSc6f922f643dd2e6d-52f690561323a97bbbd-7ffe.html		<input type="checkbox"/>
/A.O./	6	"Scheduling Media Clips", Published on: June 30, 2013, Available at: http://msdn.microsoft.com/en-us/library/ee958036(v=vs.95).aspx		<input type="checkbox"/>

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EXAMINER SIGNATURE

Examiner Signature	/Adil Ocak/	Date Considered	09/06/2015
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		2014-06-06
	First Named Inventor		Drouin, Nick
	Art Unit		
	Examiner Name		Not Yet Assigned
	Attorney Docket Number		13768.2393

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- See attached certification statement.
- The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/J. LaVar Oldham/	Date (YYYY-MM-DD)	2014-06-06
Name/Print	J. LaVar Oldham	Registration Number	53,409

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/219,501		Michael F. Cohen	340616.01

CONFIRMATION NO. 9587

WITHDRAWAL NOTICE



OC000000077417685

Date Mailed: 09/15/2015

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

Letter Regarding a New Notice and/or the Status of the Application

If a new notice or Filing Receipt is enclosed, applicant may disregard the previous notice mailed on 12/19/2014. The time period for reply runs from the mail date of the new notice. Within the time period for reply, applicant is required to file a reply in compliance with the requirements set forth in the new notice to avoid abandonment of the application.

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Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/ttran/



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/219,501	03/19/2014	2447	1600	340616.01	20	3

69316
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

CONFIRMATION NO. 9587 UPDATED FILING RECEIPT



Date Mailed: 09/15/2015

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Michael F. Cohen, Seattle, WA;
Douglas C. Burger, Bellevue, WA;
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Andrew D. Wilson, Seattle, WA;
Daniel Lee Massey, Redmond, WA;
Blaise Hilary Aguera y Arcas, Seattle, WA;

Applicant(s)

Microsoft Corporation, Redmond, WA;

Power of Attorney: The patent practitioners associated with Customer Number 69316

Domestic Priority data as claimed by applicant

This application is a CON of 14/187,567 02/24/2014

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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If Required, Foreign Filing License Granted: 04/11/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/219,501**

Projected Publication Date: 12/24/2015

Non-Publication Request: No

Early Publication Request: No

Title

Personal Daemon Interaction through Escalating Disclosure

Preliminary Class

709

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/199,950	03/06/2014	Louis Maresca	418268467US1

CONFIRMATION NO. 2826
IMPROPER CPOA LETTER

45979
PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247



OC000000077424054

Date Mailed: 09/15/2015

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the power of attorney filed 09/03/2015. The power of attorney in this application is not accepted for the reason(s) listed below:

- The power of attorney has not been accepted because the party who is giving power has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A party who is not the applicant must become the applicant in accordance with 37 CFR 1.46(c) and appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. For a reissue application, reexamination proceeding, or supplemental examination proceeding, a patent owner who was not the applicant under 37 CFR 1.46 must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).

/fstephanos/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/199,950	03/06/2014	Louis Maresca	418268467US1

CONFIRMATION NO. 2826

45979

PERKINS COIE LLP/MSFT
P. O. BOX 1247
SEATTLE, WA 98111-1247



OC000000077424219

Date Mailed: 09/15/2015

IMPROPER CFR REQUEST

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Power of Attorney, Claims, Fees, System Limitations, and Miscellaneous

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- The ADS submitted on 09/03/2015 did not contain the entire section containing the desired changes. For any section of information being changed relative to the information already of record, the application data sheet must include the section headings listed in 37 CFR 1.76(b) for each section being changed, additions must be shown with underlining, and deletions must be shown with strike-through or brackets. See 37 CFR 1.76(c)(2).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000 or (571) 272-4200 or 1-888-786-0101**.

/fstephanos/



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/168,707	01/30/2014	Dimitrios LYMBEROPoulos	340377.01	1077
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				LEE, JASON T
ART UNIT		PAPER NUMBER		
		2438		
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

stevensp@microsoft.com
chriochs@microsoft.com
usdocket@microsoft.com



UNITED STATES DEPARTMENT OF COMMERCE

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P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
14/168,707	30 January, 2014	LYMBEROPoulos ET AL.	340377.01

		EXAMINER
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052		JASON LEE
ART UNIT	PAPER	
2438	20150908	

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The IDS filed on 8/21/15 and 8/27/15 have been considered.

/JASON LEE/
Primary Examiner, Art Unit 2438

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	14168707
Filing Date	2014-01-03
First Named Inventor	Dimitrios LYMBEROPoulos
Art Unit	2438
Examiner Name	Jason T. Lee
Attorney Docket Number	340377.01

U.S.PATENTS						Remove
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	1	14168707 - GAU: 2438						<input type="checkbox"/>

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T ⁵

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	14168707
	Filing Date	2014-01-03
	First Named Inventor	Dimitrios LYMBEROPOULOS
	Art Unit	2438
	Examiner Name	Jason T. Lee
	Attorney Docket Number	340377.01

/J.L./	1	Demand under Article 31 and Response filed August 20, 2015 to the International Search Report and Written Opinion mailed May 6, 2015 from PCT Patent Application No. PCT/US2015/012553, 23 pages. (MS Ref. 340377.02) <input type="checkbox"/>
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If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Jason Lee/	Date Considered	09/08/2015
--------------------	-------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

14168707 - GAU: 2438

Receipt date: 08/21/2015

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	14168707
Filing Date	2014-01-03
First Named Inventor	Dimitrios LYMBEROPoulos
Art Unit	2438
Examiner Name	Jason T. Lee
Attorney Docket Number	340377.01

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. Recent date: 08/27/2015					T ⁵

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		Application Number	14168707
		Filing Date	2014-01-03
		First Named Inventor	Dimitrios LYMBEROPOULOS
		Art Unit	2438
		Examiner Name	Jason T. Lee
		Attorney Docket Number	340377.01

/J.L./	1	Demand under Article 31 and Response filed August 20, 2015 to the International Search Report and Written Opinion mailed May 6, 2015 from PCT Patent Application No. PCT/US2015/012553, 23 pages. (MS Ref. 340377.02) <input type="checkbox"/>
--------	---	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

If you wish to add additional non-patent literature document citation information please click the Add button [Add](#)

EXAMINER SIGNATURE

Examiner Signature	/Jason Lee/	Date Considered	09/08/2015
--------------------	-------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

14168707 - GAU: 2438

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

Receipt date: 08/27/2015



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UNITED STATES DEPARTMENT OF COMMERCE
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Address: COMMISSIONER FOR PATENTS
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NOTICE OF ALLOWANCE AND FEE(S) DUE

69316 7590 09/15/2015
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

EXAMINER	
BADII, BEHRANG	
ART UNIT	PAPER NUMBER
3667	

DATE MAILED: 09/15/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/156,407	01/15/2014	Cheryl N. Platz	340328.01	3435

TITLE OF INVENTION: POST-DRIVE SUMMARY WITH TUTORIAL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

69316 7590 09/15/2015
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/156,407	01/15/2014	Cheryl N. Platz	340328.01	3435

TITLE OF INVENTION: POST-DRIVE SUMMARY WITH TUTORIAL

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
BADII, BEHRANG	3667	701-001000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**
2. For printing on the patent front page, list
- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

- Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/156,407	01/15/2014	Cheryl N. Platz	340328.01	3435
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				BADII, BEHRANG
ART UNIT		PAPER NUMBER		
		3667		

DATE MAILED: 09/15/2015

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 14/156,407	Applicant(s) PLATZ ET AL.	
	Examiner BEHRANG BADII	Art Unit 3667	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 8/25/15.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claims 1-20 have been allowed.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The closest prior art of record is Koie et al., USPAP 2011/0193721. Koie discloses an in-vehicle communication apparatus is disclosed. The apparatus includes: a wireless communication device; a vehicle stop state determination section configured to determine whether a vehicle is in a stop state or a not-stop state; a connectivity determination section configured to determine whether wireless communication between the wireless communication device and the mobile communication network is possible or impossible; and a control section configured to cause a notification device to notify notice information when the vehicle is determined to be in the stop state and when the wireless communication is determined to be impossible. The notice information indicates that position of the vehicle in the stop state is within an area where the wireless communication is impossible.

In regard to claims 1, 10 and 20, Koie taken either individually or in combination with other prior art of record fails to teach or render obvious a processor coupled to the sensor, the input device, and the output device, the processor structured to respond to the sensor indicating that the vehicle has stopped by determining whether a point appropriate for presenting a notification is occurring, the point satisfying a condition in

addition to the vehicle being stopped, the processor further structured to present the notification to the individual via the output device if the point appropriate for presenting the notification is occurring.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Behrang Badii whose telephone number is 571-272-6879. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on 571-272-6712. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Art Unit: 3667

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

or faxed to (571)273-8300

Hand delivered responses should be brought to

United States Patent and Trademark Office
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Randolph Building
401 Dulany Street
Alexandria, VA 22314

Any inquiry of a general nature or relating to the status of this application
or proceeding should be directed to the Technology Center 3600 Customer Service
Office whose telephone number is **(571) 272-3600**.

/Behrang Badii/
Primary Examiner
Art Unit 3667

Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination PLATZ ET AL.	
		Examiner BEHRANG BADII	Art Unit 3667	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2013/0268148 A1	10-2013	Kondo; Tetsu	B60N5/00	701/19
*	B	US-6,411,891 B1	06-2002	Jones; Martin Kelly	G06Q10/08	342/357.395
*	C	US-2011/0193721 A1	08-2011	Koie; Yoshio	B60R25/00	340/901
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	14156407
Filing Date	2014-01-15
First Named Inventor	Cheryl N. Platz
Art Unit	3667
Examiner Name	Badii, Behrang
Attorney Docket Number	340328.01

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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20080004793	A1	2008-01-03	Horvitz et al.	
	2	20130110310	A1	2013-05-02	Young	
	3	20090210257	A1	2009-08-20	Chalfant et al.	
	4	20120191343	A1	2012-07-26	Haleem	
	5	20060089787	A1	2006-04-27	Burr et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		Application Number		14156407	
		Filing Date		2014-01-15	
		First Named Inventor		Cheryl N. Platz	
		Art Unit		3667	
		Examiner Name		Badii, Behrang	
		Attorney Docket Number		340328.01	

	6	20130143528	A1	2013-06-06	Randazzo et al.	
	7	20130311041	A1	2013-11-21	Lynar et al.	
	8	20120029801	A1	2012-02-02	Yano et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	2161697	EP	A1	2010-03-10	PIONEER CORP		<input type="checkbox"/>

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	International Search Report and Written Opinion of the International Searching Authority regarding Application No. PCT/US2015/010710 (MS Docket No. 340328.02) mailed April 13, 2015, 13 pages.	<input type="checkbox"/>

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EXAMINER SIGNATURE

Examiner Signature	/B.B./ 09/09/2015	Date Considered	/B.B./ 09/09/2015
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/098,952	12/06/2013	Dan Hwang	340344.01	9468
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				YU, JIAN
ART UNIT		PAPER NUMBER		
		2142		
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

stevensp@microsoft.com
chriochs@microsoft.com
usdocket@microsoft.com

Office Action Summary	Application No. 14/098,952	Applicant(s) HWANG ET AL.	
	Examiner JIAN YU	Art Unit 2142	AIA (First Inventor to File) Status Yes
<i>-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --</i>			
Period for Reply			
<p>A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.</p> <ul style="list-style-type: none"> - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). 			
Status			
<p>1) <input checked="" type="checkbox"/> Responsive to communication(s) filed on <u>12/6/2013</u>. <input type="checkbox"/> A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed on _____.</p> <p>2a) <input type="checkbox"/> This action is FINAL. 2b) <input checked="" type="checkbox"/> This action is non-final.</p> <p>3) <input type="checkbox"/> An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.</p> <p>4) <input type="checkbox"/> Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213.</p>			
Disposition of Claims*			
<p>5) <input checked="" type="checkbox"/> Claim(s) <u>1-20</u> is/are pending in the application. 5a) Of the above claim(s) _____ is/are withdrawn from consideration.</p> <p>6) <input type="checkbox"/> Claim(s) _____ is/are allowed.</p> <p>7) <input checked="" type="checkbox"/> Claim(s) <u>1-20</u> is/are rejected.</p> <p>8) <input type="checkbox"/> Claim(s) _____ is/are objected to.</p> <p>9) <input type="checkbox"/> Claim(s) _____ are subject to restriction and/or election requirement.</p>			
<p>* If any claims have been determined <u>allowable</u>, you may be eligible to benefit from the Patent Prosecution Highway program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.</p>			
Application Papers			
<p>10) <input type="checkbox"/> The specification is objected to by the Examiner.</p> <p>11) <input checked="" type="checkbox"/> The drawing(s) filed on <u>See Continuation Sheet</u> is/are: a) <input checked="" type="checkbox"/> accepted or b) <input type="checkbox"/> objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).</p>			
Priority under 35 U.S.C. § 119			
<p>12) <input type="checkbox"/> Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</p>			
Certified copies:			
<p>a) <input type="checkbox"/> All b) <input type="checkbox"/> Some** c) <input type="checkbox"/> None of the: 1. <input type="checkbox"/> Certified copies of the priority documents have been received. 2. <input type="checkbox"/> Certified copies of the priority documents have been received in Application No. _____. 3. <input type="checkbox"/> Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</p>			
<p>** See the attached detailed Office action for a list of the certified copies not received.</p>			
Attachment(s)			
<p>1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</p>			
<p>2) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date <u>12/6/2013, 4/10/2015</u>.</p>			
<p>3) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date _____.</p>			
<p>4) <input type="checkbox"/> Other: _____.</p>			

Continuation of Application Papers 11).The drawing(s) filed on: 12/6/2013 and replacement sheet 21-25 & 27 filed on 1/8/2014.

DETAILED ACTION

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.
2. This action is responsive to the application filed on 12/6/2013. Claims 1-20 are pending in the case. Claims 1, 15 and 16 are independent claims.
3. Applicant's submission filed on 1/8/2014 for replacement drawings 21-25 and 27 has been reviewed and entered.

Claim Objections

4. Claims 15 and 20 are objected to because of the following informalities:
 - Claim 15 recites "a **crab**-grab event" (page 37, line 9), where "a **crane**-grab event" was apparently intended.
 - Claim 20 recites "The apparatus of claim **15**", where "The apparatus of claim **16**" was apparently intended.

Appropriate corrections are required.

Claim Rejections - 35 U.S.C. § 101

35 U.S.C. § 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. **Claim 15** is rejected under 35 U.S.C. § 101 because the claimed invention is directed to non-statutory subject matter. During examination, the claims must be

interpreted as broadly as their terms reasonably allow. "*In re American Academy of Science Tech Center*, 367 F.3d 1359, 1369, 70 U.S.P.Q.2d 1827, 1834 (Fed. Cir. 2004). Independent claim 15 recites a “computer-readable storage medium”. Examiner notes that in paragraph [00117] of the specification, applicants stated that ““computer-readable storage medium” does not refer to propagated signals”. However, it is not clear whether the “does not refer to propagated signals” means the “propagated signals” are excluded. The broadest reasonable interpretation of a claim drawn to a computer readable storage medium covers forms of transitory propagating signals *per se* in view of the ordinary and customary meaning of computer readable storage media. Transitory propagating signals are non-statutory subject matter. *In re Nuijten*, 500 F.3d 1346, 1356-57, 84 U.S.P.Q.2d 1495, 1502 (Fed. Cir. 2007) (transitory embodiments are not directed to statutory subject matter). See also *Subject Matter Eligibility of Computer Readable Media*, 1351 Off. Gaz. Pat. Office 212 (Feb. 23, 2010). Examiner suggests adding the word “non-transitory.”

Claim Rejections - 35 U.S.C. § 102

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

6. Claims 1, 8-11, 13-14 and 16-17 are rejected under 35 U.S.C. § 102(a)(1) as being anticipated by Axelsson et al. (US Pub. No.2012/0306784 A1; Filing date 4/30/2012; Published date 12/6/2012).

Regarding claim 1, Axelsson teaches a method (Axelsson, Fig. 3, paragraphs [0027-0035]), comprising:

accessing a user interface for an apparatus having a hover-sensitive input/output display (Axelsson, Fig. 2, paragraph [0018], device 10 can have hover-sensitive user interface); and

selectively controlling the user interface in response to a crane gesture performed using the hover-sensitive input/output display (Axelsson, Fig. 1, paragraphs [0017], [0020], grab/lift /release gesture can be performed using the hover-sensitive user interface on the display of device 10).

Regarding claim 8, Axelsson teaches the method of claim 1 above. Axelsson also teaches where detecting two bracket points includes receiving two

touch point events, receiving two hover point entry events, or receiving two hover point to touch point transition events, and where detecting that the two bracket points have moved together includes receiving a touch point move event, receiving a touch pinch event, receiving a hover point move event, or receiving a hover pinch event (Axelsson, Fig. 1, paragraphs [0017], [0020], [0026], detecting two bracket points can include receiving two touch/hover point events. Detecting that the two bracket points have moved together includes receiving a touch/hover pinch event).

Regarding claim 9, Axelsson teaches the method of claim 1 above. Axelsson also teaches where detecting that a bracket point has been re-positioned more than a movement threshold amount while remaining within the crane-grab tolerance distance includes receiving a hover point movement event (Axelsson, Fig. 2, paragraphs [0018], [0023-0025], detecting that a bracket point has been re-positioned can include receiving a hover point movement event in the move state within the hover space).

Regarding claim 10, Axelsson teaches the method of claim 1 above. Axelsson also teaches where detecting that the two bracket points have moved apart by more than a crane-release threshold distance includes receiving a hover point movement event or a hover point spread event (Axelsson, Fig. 2,

paragraphs [0018], [0023-0025], detecting that two bracket points have moved apart can include receiving a hover point spread event).

Regarding claim 11, Axelsson teaches the method of claim 1 above. Axelsson also teaches comprising: changing the state from the crane-carry state to the crane-release state upon detecting that the two bracket points have transitioned from two hover points to two touch points (Axelsson, Fig. 2, paragraphs [0018], [0023]), the state can be changed from carry to release upon detecting that two bracket points have transitioned from two hover points to two touch points (lower down)).

Regarding claim 13, Axelsson teaches the method of claim 1 above. Axelsson also teaches comprising: controlling an appearance of the object after the state changes to the crane-release state, where the appearance is based, at least in part, on movement of the object in an x-y plane when the crane-release state is detected, on x-y rotation of the object when the crane-release state is detected, or on movement of the object in a z direction when the crane-release state is detected (Axelsson, paragraphs [0018], [0020-0023]), the state can be changed from carry to release upon detecting that two bracket points have transitioned from two hover points to two touch points (lower down), the appearance of the object can be change according to the moving distance on screen).

Regarding claim 14, Axelsson teaches the method of claim 1 above.

Axelsson also teaches changing the state to a crane-discard state upon detecting that the two bracket points have exited the hover space for more than a discard threshold period of time (Axelsson, Fig. 2, paragraph [0023], state can be changed upon the bracket points left the hover-space, threshold values can be used to determine the gesture).

Regarding claim 16, Axelsson teaches an apparatus (Axelsson, Fig. 4, paragraph [0036], device 10), comprising:

a processor (Axelsson, Fig. 4, paragraph [0053], processor of device 10);
a hover-sensitive input/output interface configured to display an item that can be manipulated by a crane gesture (Axelsson, Fig. 4, paragraphs [0037], [0018], item 15 can be manipulated by hover gesture);
a memory configured to store a state associated with the item (Axelsson, Fig. 4, paragraph [0054], memory 450);
a proximity detector configured to detect an object in a hover-space associated with the hover-sensitive input/output interface (Axelsson, Fig. 2, paragraph [0019], device 10 can have proximity sensors to detect an object in a hover-space);

a set of logics configured to manipulate the state of the item in response to the crane gesture (Axelsson, Fig. 4, paragraphs [0037-0051], circuit 420, 430 and 450); and

an interface configured to connect the processor, the hover-sensitive input/output interface, the proximity detector, the memory, and the set of logics (Axelsson, Fig. 4, paragraph [0036], the connection interface of device 10);

the set of logics including:

a first logic configured to change a state associated with the item from untouched to target in response to detecting the item being bracketed by two bracket points, where the bracket points are hover points or touch points (Axelsson, paragraphs [0017-0020], state can be changed from untouched to target by detecting two hover or touch points on display);

a second logic configured to change the state from target to pinched upon detecting that the two bracket points have moved to within a pinch threshold distance of the item (Axelsson, paragraphs [0017], [0021], state can be changed from target to pinched by detecting two hover or touch points on display are moved together);

a third logic configured to change the state from pinched to lifted upon detecting that the bracket points have moved more than a lift threshold distance away from the hover-sensitive input/output interface in the z direction (Axelsson, Fig. 1, paragraphs [0017], [0022], state can be changed from pinched to lifted by detecting two points on display lifted up from the display); and

a fourth logic configured to change the state from lifted to released upon detecting that the bracket points have moved more than a release threshold distance apart (Axelsson, Fig. 1, paragraphs [0017], [0024], state can be changed from lifted to released by detecting two points on display moved apart), where the first logic, second logic, third logic, or fourth logic selectively change the appearance of the item as displayed on the input/output interface upon changing the state (Axelsson, Fig. 4, paragraph [0017], [0037], appearance of item 15 can be changed on the input/output interface by the first logic, second logic, third logic, or fourth logic).

Regarding claim 17, Axelsson teaches the apparatus of claim 16 above. Axelsson also teaches where the third logic is configured to reposition the item on the display in response to detecting that the bracket points have moved more than a movement threshold amount in an x or y direction with respect to the input/output interface (Axelsson, Fig. 1, paragraphs [0017], [0022], [0025], item 15 can be moved to new position on the display upon the bracket points movement. Movement threshold can be set).

Claim Rejections - 35 USC § 103

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any

correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of 35 U.S.C. § 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 2-7, 12, 15 and 20 are rejected under 35 U.S.C. § 103 as being unpatentable over Axelsson in view of Widgor (US Pub. No.2010/0309140 A1; Filing date 6/5/2009; Published date 12/9/2010).

Regarding claim 2, Axelsson teaches the method of claim 1 above.

Axelsson also teaches where selectively controlling the user interface includes: changing a state associated with the user interface to a crane-start state associated with the crane gesture upon detecting two bracket points associated with the display, where the two bracket points are located at least a crane-start minimum distance apart, where the two bracket points are located at most a crane-start maximum distance apart, and where an object displayed on the display is located at least partially between the two bracket points (Axelsson, Fig. 1, paragraphs [0017], [0020-0022], a start state of a gesture can be registered by

detecting two points on display, threshold values can be used to determine the gesture);

changing the state from the crane-start state to a crane-grab state upon detecting that the two bracket points have moved together (Axelsson, Fig. 1, paragraphs [0017], [0021-0022], a grab state can be registered by detecting two points on display are moved together);

changing the state from the crane-grab state to a crane-lift state upon detecting that the two bracket points have either transitioned from two touch points to two hover points or have moved away from the display more than a threshold distance in the z direction (Axelsson, Fig. 1, paragraphs [0017], [0022], a lift state can be registered by detecting two points on display lifted up from the display);

changing the state from the crane-lift state to a crane-carry state upon detecting that at least one of the two bracket points has been re-positioned more than a movement threshold amount while remaining within the crane-grab tolerance distance (Axelsson, Fig. 1, paragraphs [0017], [0022-0023], a carry state can be registered by detecting the lifted two points moved along the display, threshold values can be used to determine the gesture); and

changing the state from the crane-lift state to a crane-release state or changing the state from the crane-carry state to the crane-release state upon detecting that the two bracket points have moved apart by more than a crane-release threshold distance (Axelsson, Fig. 1, paragraphs [0017], [0024], a

release state can be registered by detecting the G2 gesture, threshold values can be used to determine the gesture),

where changing the state from a first state to a second state includes changing a value in a memory or changing an appearance of the user interface (Axelsson, Fig. 1, paragraphs [0017], [0020], [0054], the state change can be registered in memory), and

where changing the state to the crane-release state causes the object to be displayed at a location determined by the positions of the two bracket points after the two bracket points have moved apart by more than the crane-release threshold distance (Axelsson, Fig. 1, paragraphs [0017], [0024-0025], the object can be displayed at the drop position, threshold values can be used to determine the gesture).

Axelsson also teaches threshold or tolerance values can be used when determining gestures (Axelsson, paragraph [0022]).

Axelsson does not explicitly teach detecting that the two bracket points have moved together to within a crane-grab tolerance distance within a crane-grab tolerance period of time, where the crane-grab tolerance distance depends, at least in part, on the size of the object.

However, Widgor teaches detecting that the two bracket points have moved together to within a crane-grab tolerance distance within a crane-grab tolerance period of time, where the crane-grab tolerance distance depends, at least in part, on the size of the object (Widgor, paragraphs [0026-0027], tolerance

range of distance (size can be normalized) and time can be defined and used to determine user gesture).

It would have been obvious to a person of ordinary skill in the art before the effective filing date of the claimed invention to modify the method of Axelsson to comprise the teaching of Widgor to use distance and timing tolerance range when determining user gesture. Both Widgor and Axelsson are analogous art related to user interface for gesture input. One would have been motivated to make such a combination to provide nature and intuitive interaction with graphical content on a graphical user interface (Widgor, paragraph [0001]).

Regarding claim 3, Axelsson and Widgor teach the method of claim 2 above. Axelsson also teaches comprising: upon detecting that the state has changed to the crane-start state, updating the display to indicate that the crane-start state has been achieved, displaying a connecting line between the two bracket points, changing the appearance of the object to indicate that the object is a potential target for the crane gesture, generating a crane gesture sound, or generating a crane-start event (Axelsson, paragraphs [0020-0022], event can be generated upon state change).

Regarding claim 4, Axelsson and Widgor teach the method of claim 3 above. Axelsson also teaches comprising: upon detecting that the state has changed to the crane-grab state, updating the display to indicate that the crane-

grab state has been achieved, changing the appearance of the object to indicate that the object is an actual target for the crane gesture, generating an object grabbed sound, or generating a crane-grab event (Axelsson, paragraphs [0020-0022], event can be generated, and/or the appearance of object can be changed upon state change).

Regarding claim 5, Axelsson and Widgor teach the method of claim 4 above. Axelsson also teaches comprising: upon detecting that the state has changed to the crane-lift state, updating the display to indicate that the crane-lift state has been achieved, changing the appearance of the object to indicate that the object has been lifted, displaying a shadow of the object on the display, displaying a point at which the object would appear if released from the crane-lift state, generating an object lifted sound, or generating a crane-lift event (Axelsson, paragraphs [0020-0022], event can be generated, and/or the appearance of object can be changed upon state change).

Regarding claim 6, Axelsson and Widgor teach the method of claim 5 above. Axelsson also teaches comprising: upon detecting that the state has changed to the crane-carry state, updating the display to indicate that the crane-carry state has been achieved, changing the location of the object on the display, changing the position of the shadow on the display, changing the point at which the object would appear if released on the display, generating an object carry

sound, or generating a crane-carry event (Axelsson, paragraph [0023], event can be generated, and/or the target object can be shown as moving upon state change).

Regarding claim 7, Axelsson and Widgor teach the method of claim 6 above. Axelsson also teaches comprising: upon detecting that the state has changed to the crane-release state, updating the display to indicate that the crane-release state has been achieved, removing the shadow on the display, positioning the object on the display, generating a crane release sound, or generating a crane-release event (Axelsson, paragraphs [0022-0025], event can be generated, and/or the appearance of object can be changed upon state change).

Regarding claim 12, Axelsson teaches the method of claim 1 above. Axelsson does not explicitly teach comprising: changing the state from the crane-release state back to the crane-lift state upon detecting that the two bracket points have re-grabbed the object within a re-grab threshold period of time.

However, Widgor teaches comprising: changing the state from the crane-release state back to the crane-lift state upon detecting that the two bracket points have re-grabbed the object within a re-grab threshold period of time (Widgor, paragraphs [0026-0027], range of time can be used to determine user gesture intention, an unintended release can be cancelled).

It would have been obvious to a person of ordinary skill in the art before the effective filing date of the claimed invention to modify the method of Axelsson to comprise the teaching of Widgor to use timing range when determining user gesture state. Both Widgor and Axelsson are analogous art related to user interface for gesture input. One would have been motivated to make such a combination to provide nature and intuitive interaction with graphical content on a graphical user interface (Widgor, paragraph [0001]).

Regarding claim 15, Axelsson teaches a computer-readable storage medium apparatus (Axelsson, Fig. 4, paragraph [0054], memory 450) storing computer-executable instructions that when executed by a computer cause the computer to perform a method, the method comprising:

accessing a user interface on an apparatus having a hover-sensitive input/output display (Axelsson, Fig. 2, paragraph [0018], device 10 can have hover-sensitive user interface); and

selectively controlling the user interface in response to a crane gesture performed using the hover-sensitive input/output display (Axelsson, Fig. 1, paragraphs [0017], [0020], grab/lift /release gesture can be performed using the hover-sensitive user interface on the display of device 10), where selectively controlling the user interface includes:

changing a state associated with the user interface to a crane-start state associated with the crane gesture upon detecting two bracket points associated

with the display, where the two bracket points are located at least a crane-start minimum distance apart, where the two bracket points are located at most a crane-start maximum distance apart, and where an object displayed on the display is located at least partially between the two bracket points (Axelsson, Fig. 1, paragraphs [0017], [0020-0022], a start state of a gesture can be registered by detecting two points on display, threshold values can be used to determine the gesture),

where detecting two bracket points includes receiving two touch point events, receiving two hover point entry events, or receiving two hover point to touch point transition events (Axelsson, Fig. 1, paragraphs [0017-0018], detecting two bracket points can include receiving two touch/hover point events);

upon detecting that the state has changed to the crane-start state, updating the display to indicate that the crane-start state has been achieved, displaying a connecting line between the two bracket points, changing the appearance of the object to indicate that the object is a potential target for the crane gesture, generating a crane gesture sound, or generating a crane-start event (Axelsson, paragraphs [0020-0022], event can be generated upon state change);

changing the state from the crane-start state to a crane-grab state upon detecting that the two bracket points have moved together, where detecting that the two bracket points have moved together includes receiving a touch point move event, receiving a touch pinch event, receiving a hover point move event,

or receiving a hover pinch event (Axelsson, Fig. 1, paragraphs [0017], [0021-0022], [0026], a grab state can be registered by detecting two points on display are moved together, including receiving touch/hover pinch events);

upon detecting that the state has changed to the crane-grab state, updating the display to indicate that the crane-grab state has been achieved, changing the appearance of the object to indicate that the object is an actual target for the crane gesture, generating an object grabbed sound, or generating a crane-grab event (Axelsson, paragraphs [0020-0022], event can be generated, and/or the appearance of object can be changed upon state change);

changing the state from the crane-grab state to a crane-lift state upon detecting that the two bracket points have either transitioned from two touch points to two hover points or have moved away from the display more than a threshold distance in the z direction (Axelsson, Fig. 1, paragraphs [0017], [0022], a lift state can be registered by detecting two points on display lifted up from the display);

upon detecting that the state has changed to the crane-lift state, updating the display to indicate that the crane-lift state has been achieved, changing the appearance of the object to indicate that the object has been lifted, displaying a shadow of the object on the display, displaying a point at which the object would appear if released from the crane-lift state, generating an object lifted sound, or generating a crane-lift event (Axelsson, paragraphs [0020-0022], event can be generated, and/or the appearance of object can be changed upon state change);

changing the state from the crane-lift state to a crane-carry state upon detecting that at least one of the two bracket points has been re-positioned more than a movement threshold amount while remaining within the crane-grab tolerance distance, where detecting that a bracket point has been re-positioned more than a movement threshold amount while remaining within the crane-grab tolerance distance includes receiving a hover point movement event (Axelsson, Fig. 1, paragraphs [0017], [0022-0025], a carry state can be registered by detecting the lifted two points moved along the display, including receiving hover point movement events. Threshold values can be used to determine the gesture);

upon detecting that the state has changed to the crane-carry state, updating the display to indicate that the crane-carry state has been achieved, changing the location of the object on the display, changing the position of the shadow on the display, changing the point at which the object would appear if released on the display, generating an object carry sound, or generating a crane-carry event (Axelsson, paragraph [0023], event can be generated, and/or the target object can be shown as moving upon state change);

changing the state from the crane-lift state to a crane-release state or changing the state from the crane-carry state to the crane-release state upon detecting that the two bracket points have moved apart by more than a crane-release threshold distance, where detecting that the two bracket points have moved apart by more than a crane-release threshold distance includes receiving a hover point movement event or a hover point spread event (Axelsson, Fig. 2,

paragraphs [0017], [0023-0025], a release state can be registered by detecting the G2 gesture, threshold values can be used to determine the gesture.

Detecting that two bracket points have moved apart can include receiving a hover point spread event);

changing the state from the crane-carry state to the crane-release state upon detecting that the two bracket points have transitioned from two hover points to two touch points (Axelsson, Fig. 2, paragraphs [0018], [0023], the state can be changed from carry to release upon detecting that two bracket points have transitioned from two hover points to two touch points (lower down));

upon detecting that the state has changed to the crane-release state, updating the display to indicate that the crane-release state has been achieved, removing the shadow on the display, positioning the object on the display, generating a crane release sound, or generating a crane-release event (Axelsson, paragraphs [0022-0025], event can be generated, and/or the appearance of object can be changed upon state change);

controlling a location of the object after the state changes to the crane-release state, where the location is determined, at least in part, by the positions of the two bracket points after the two bracket points have moved apart by more than the crane-release threshold distance (Axelsson, paragraphs [0023-0025], the location of the released object can be changed to the position where the two bracket points have moved apart);

controlling an appearance of the object after the state changes to the crane-release state, where the appearance is based, at least in part, on movement of the object in an x-y plane when the crane-release state is detected, on x-y rotation of the object when the crane-release state is detected, or on movement of the object in a z direction when the crane-release state is detected (Axelsson, paragraphs [0018], [0023], the state can be changed from carry to release upon detecting that two bracket points have transitioned from two hover points to two touch points (lower down));

changing the state to a crane-discard state upon detecting that the two bracket points have exited the hover space for more than a discard threshold period of time (Axelsson, Fig. 2, paragraph [0023], state can be changed upon the bracket points left the hover-space for more than a threshold period of time);

where changing the state from a first state to a second state includes changing a value in a memory or changing an appearance of the user interface (Axelsson, Fig. 1, paragraphs [0017], [0020], [0054], the state change can be registered in memory).

Axelsson also teaches threshold or tolerance values can be used when determining gestures (Axelsson, paragraph [0022]).

Axelsson does not explicitly teach the two bracket points have moved together to within a crane-grab tolerance distance within a crane-grab tolerance period of time, where the crane-grab tolerance distance depends, at least in part, on the size of the object; changing the state from the crane-release state back to

the crane-lift state upon detecting that the two bracket points have re-grabbed the object within a re- grab threshold period of time.

However, Widgor teaches detecting that the two bracket points have moved together to within a crane-grab tolerance distance within a crane-grab tolerance period of time, where the crane-grab tolerance distance depends, at least in part, on the size of the object (Widgor, paragraphs [0026-0027], tolerance range of distance (size can be normalized) and time can be defined and used to determine user gesture);

changing the state from the crane-release state back to the crane-lift state upon detecting that the two bracket points have re-grabbed the object within a re-grab threshold period of time (Widgor, paragraphs [0026-0027], range of time can be used to determine user gesture intention, an unintended release can be cancelled).

It would have been obvious to a person of ordinary skill in the art before the effective filing date of the claimed invention to modify the method of Axelsson to comprise the teaching of Widgor to use distance, timing tolerance range, timing range and object size when determining user gesture. Both Widgor and Axelsson are analogous art related to user interface for gesture input. One would have been motivated to make such a combination to provide nature and intuitive interaction with graphical content on a graphical user interface (Widgor, paragraph [0001]).

Regarding claim 20, Axelsson teaches the apparatus of claim 16 above.

Axelsson does not explicitly teach where the fourth logic is configured to change the state from released to lifted upon detecting that the two bracket points have moved back to within the pinch threshold distance of the item within a re-pinch threshold period of time.

However, Widgor teaches where the fourth logic is configured to change the state from released to lifted upon detecting that the two bracket points have moved back to within the pinch threshold distance of the item within a re-pinch threshold period of time (Widgor, paragraphs [0026-0027], range of time can be used to determine user gesture intention, an unintended release can be cancelled).

It would have been obvious to a person of ordinary skill in the art before the effective filing date of the claimed invention to modify the method of Axelsson to comprise the teaching of Widgor to use timing range when determining user gesture state and to cancel unintended release. Both Widgor and Axelsson are analogous art related to user interface for gesture input. One would have been motivated to make such a combination to provide nature and intuitive interaction with graphical content on a graphical user interface (Widgor, paragraph [0001]).

8. Claims 18-19 are rejected under 35 U.S.C. § 103 as being unpatentable over Axelsson in view of Westerman et al. (US Pub. No.2008/0168403 A1; Filing date 6/13/2007; Published date 7/10/2008).

Regarding claim 18, Axelsson teaches the apparatus of claim 17 above.

Axelsson also teaches comprising: a fifth logic configured to change the state upon detecting that the bracket points have left the hover-space (Axelsson, Fig. 2, paragraph [0023], state can be changed upon the bracket points left the hover-space).

Axelsson does not explicitly teach change the state to discarded.

However, Westerman teaches change the state to discarded (Westerman, paragraph [0129], selected items can be discarded by pulling away from the hover-space).

It would have been obvious to a person of ordinary skill in the art before the effective filing date of the claimed invention to modify the method of Axelsson to comprise the teaching of Westerman to have a discard state in a user interface. Both Westerman and Axelsson are analogous art related to user interface for touch and hover sensitive devices. One would have been motivated to make such a combination to create more efficiently and accurately effect intended operations (Westerman, paragraph [0009]).

Regarding claim 19, Axelsson and Westerman teach the apparatus of claim 18 above. Westerman also teaches where the fifth logic is configured to remove the item from the input/output interface upon determining that the state has changed to discarded (Westerman, paragraph [0129], selected items can be removed from the interface when in discard state).

Conclusion

The prior art Lee et al. and Kim made of record and not relied upon is considered pertinent to Applicants' disclosure. Applicants are required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action.

It is noted that any citation to specific pages, columns, lines, or figures in the prior art references and any interpretation of the references should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. *In re Heck*, 699 F.2d 1331, 1332-33, 216 U.S.P.Q. 1038, 1039 (Fed. Cir. 1983) (quoting *In re Lemelson*, 397 F.2d 1006, 1009, 158 U.S.P.Q. 275, 277 (C.C.P.A. 1968)).

Lee et al. (US Pub. No. 2011/0109577 A1; Filing date 11/12/2010; Published date 5/12/2011) discloses method and apparatus with proximity touch detection.

Kim (US Pub. No. 2010/0095206 A1; Filing date 10/13/2009; Published date 4/15/2010) discloses method for providing a user interface using three-dimensional gestures.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JIAN YU whose telephone number is (571)270-1281, fax number is (571)270-2281 and email is jian.yu@uspto.gov. The examiner can normally be reached on MON - FRI: 8AM-5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ajay Bhatia can be reached on 571-272-3906. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JIAN YU/
Examiner, Art Unit 2142

/ANDREW TANK/

Primary Examiner, Art Unit 2142

Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination 14/098,952 HWANG ET AL.	
		Examiner	Art Unit JIAN YU 2142	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2012/0306784	12-2012	Axelsson, Ola	345/173
*	B	US-2010/0309140	12-2010	Widgor, Daniel	345/173
*	C	US-2008/0168403	07-2008	Westerman et al.	715/863
*	D	US-2010/0095206	04-2010	KIM, Hyun Ju	715/702
*	E	US-2011/0109577	05-2011	Lee et al.	345/173
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	14/098952
	Filing Date	12/6/2013
	First Named Inventor	Hwang, Dan
	Art Unit	2142
	Examiner Name	JIAN YU
	Attorney Docket Number	340344.01

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7411575		2008-08-12	Hill, et al.	
	2	8514221		2013-08-20	King, et al.	
	3	8294685		2012-10-23	Weiss, et al.	
	4	7877707		2011-01-25	Westerman, et al.	
	5	8433138		2013-04-30	Wang, et al.	
	6	8219936		2012-07-10	Kim, et al.	

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(Not for submission under 37 CFR 1.99)

Application Number	14/098952
Filing Date	12/06/2013
First Named Inventor	Hwang, Dan
Art Unit	2142
Examiner Name	JIAN YU
Attorney Docket Number	340344.01

	1	20060158172	A1	2008-07-03	Hotelling, et al.	
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	1	US. Application No. 13/918238, Hwang, et al., "Performing an Action on a Touch-Enabled Device Based on a Gesture", Filed Date: June 14, 2013.	<input type="checkbox"/>
	2	ETHERINGTON, DARRELL, "CamBoard Pico Demos What Kind Of Gesture Control Your Next Computer Could Have Built-In", Published on: March 26, 2013, Available at: http://techcrunch.com/2013/03/26/camboard-pico-demos-what-kind-of-gesture-control-your-next-computer-could-have-built-in/	<input type="checkbox"/>
	3	US. Application No. 14/035888, Hwang, et al., "Presentation of a Control Interface on A Touch-Enabled Device Based On A Motion Or Absence Thereof", Filed Date: September 24, 2013.	<input type="checkbox"/>
	4		<input type="checkbox"/>
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Application Number	14/098952
Filing Date	12/06/2013
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Art Unit	2142
Examiner Name	JIAN YU
Attorney Docket Number	340344.01

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Filing Date	2013-12-06	
First Named Inventor	Hwang, Dan	
Art Unit	2473	2142
Examiner Name	Vu, Kieu D.	JIAN YU
Attorney Docket Number	340344.01	

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1		20080165140		2008-07-10	Christie Greg	paragraphs 24-44, 57, 61-67
2		20110179368		2011-07-21	Nicholas King	paragraphs 15-22, 32-80, 105-106

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FOREIGN PATENT DOCUMENTS

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1		EP2530571	EP		2012-12-05	Sony Ericsson Mobile		<input type="checkbox"/>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	14098952
	Filing Date	2013-12-06
	First Named Inventor	Hwang, Dan
	Art Unit	2778 2142
	Examiner Name	Yu, Kieu D. JIAN YU
	Attorney Docket Number	340344.01

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	1	International Search Report and Written Opinion Dated February 25, 2015	<input type="checkbox"/>

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13/867,724	04/22/2013	Justin Middleton	325819.08	9216

TITLE OF INVENTION: Managing Web Services Data and Presence Data

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

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If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

69316 7590 09/15/2015
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/867,724	04/22/2013	Justin Middleton	325819.08	9216

TITLE OF INVENTION: Managing Web Services Data and Presence Data

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	12/15/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
TRAN, MONG-THUY THI	2646	455-400000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29
 Applicant asserting small entity status. See 37 CFR 1.27
 Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/867,724	04/22/2013	Justin Middleton	325819.08	9216
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				TRAN, MONG-THUY THI
ART UNIT		PAPER NUMBER		
2646				DATE MAILED: 09/15/2015

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	13/867,724	MIDDLETON ET AL.	
	Examiner	Art Unit	
	MONG-THUY TRAN	2646	

All participants (applicant, applicant's representative, PTO personnel):

- (1) MONG-THUY TRAN. (3) ____.
 (2) Mr. MARK NIEMANN (Reg. No. 61,817). (4) ____.

Date of Interview: 08 September 2015.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
 If Yes, brief description: ____.

Issues Discussed 101 112 102 103 Others

(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: Claims 21, 28, and 35.

Identification of prior art discussed: Chaudhuri (2005/0038876).

Substance of Interview

(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed merits of the claims, which is fully addressed in the amendment filed 09/08/2015, and Applicant authorized the Examiner's Amendment for the Specification, which is fully addressed in the Office Action..

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

/MONG-THUY TRAN/ Examiner, Art Unit 2646	
---------------------------------------------	--

Notice of Allowability	Application No. 13/867,724	Applicant(s) MIDDLETON ET AL.	
	Examiner MONG-THUY TRAN	Art Unit 2646	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 09/08/2015.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 21 - 40. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 09/08/2015.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>07/13/2015</u> | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>09/08/2015</u> . | |

/MONG-THUY TRAN/
Examiner, Art Unit 2646

The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given by Mr. Mark Niemann (Reg. No. 61,817) on September 8, 2015.
3. The application has been amended as follows:

In the Specification: Please delete one phrase "Web Service Proxy" in the last sentence of paragraph [0033] as below:

~~Web Service Proxy~~ Web Service Proxy via this API.

Reasons for Allowance

4. In view of amended claims, which filed on 09/08/2015, and further search, claims 21 - 40 are allowed.
5. The following is an Examiner's statement of reasons for allowance:

Regarding claim 21, Chaudhuri (2005/0038876) is the closest prior art to the application invention, which discloses the iMatch Application Servers and the iMatch Voice Portal run on a multitude of host computers and make use (i.e., extracting) of

several associated databases containing user information (see [0040]) (thus generating combined social network data), and in [0006] Chaudhuri admitted user posts a profile (i.e., user information) on one or more social networking sites such as Friendster.com, Ryze.com, Linkedin.com, Meetup.com, and Orkut.com offering both business and social networking, thus multiple different social networking sites. Chaudhuri teaches iMatch application server find the match based on user profiles (see iMatch User Data server 314 in Fig. 3, [0045], [0046]). Chaudhuri describes a request for matching from phone user 102, see [0022], [0039], where Chaudhuri describes the user request an interesting search within a specific distance from a specific iMatch Service Zone in the location of their presence in real-time, and see [0020], where Chaudhuri describes users matching with their desired companion for romance, friendship or casual encounter, or with other people with similar professional background and interest, or specific brand, price range or other criteria.

Atman et al. (2007/0282621) describes the dating service matches the user with potential dates in the vicinity of the user based on the users dating profile, and the user receives an alert on his or her mobile communication device when a match is detected to be nearby (see [0006], [0062], display 902 in Fig. 9, [0092], [0093]).

Marlow et al. (2008/0155080) discloses the information about the plurality of other social networks may be used to combine into the determined social network, wherein the information received over the network such as from a third party, a database, an email server, IM server, etc. (see [0070]).

However, the prior art of record fails to disclose singly or in combination to render obvious that extracting, by a web services proxy, social networking data from multiple different social networking sites for multiple users to generate combined social networking data, the web services proxy comprising interfaced with multiple different web service adapters through an application programming interface (API), each web service adapter associated with a different one of the multiple different social networking sites and configured to communicate with the respective social networking site using a data schema of the social networking site to extract the social networking data, storing the combined social networking data in a standardized format within a unified social networking database, as defined in the Specification in combination with all other limitations in the claim(s) as defined by Applicant(s). Therefore, claim 21 is allowed.

Claims 28 and 35 are drawn the same limitations as claim 21, thus claims 28 and 35 are also allowed.

Claims 22 – 27, 29 – 34, and 36 – 40 depend from allowable base claims 21, 28, or 35; therefore, these claims are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MONG-THUY TRAN whose telephone number is (571)270-3199. The examiner can normally be reached on M-F, 8:30 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. KAMRAN AFSHAR can be reached on (571)272-7796. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MONG-THUY TRAN/
Examiner, Art Unit 2646

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	13/867,724	MIDDLETON ET AL.	
	Examiner	Art Unit	
	MONG-THUY TRAN	2646	

All participants (applicant, applicant's representative, PTO personnel):

- (1) MONG-THUY TRAN. (3) ____.
 (2) Mr. MARK NIEMANN (Reg. No. 61,817). (4) ____.

Date of Interview: 08 September 2015.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
 If Yes, brief description: ____.

Issues Discussed 101 112 102 103 Others

(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: Claims 21, 28, and 35.

Identification of prior art discussed: Chaudhuri (2005/0038876).

Substance of Interview

(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed merits of the claims, which is fully addressed in the amendment filed 09/08/2015, and Applicant authorized the Examiner's Amendment for the Specification, which is fully addressed in the Office Action..

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

/MONG-THUY TRAN/ Examiner, Art Unit 2646	
---------------------------------------------	--

Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination	
		13/867,724	MIDDLETON ET AL.	
Examiner MONG-THUY TRAN		Art Unit 2646	Page 1 of 1	

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2006/0253581 A1	11-2006	Dixon; Christopher John	G06F17/30861	709/225
*	B	US-2008/0147354 A1	06-2008	Rowan; Michael J.	G06Q30/02	702/182
*	C	US-8,280,913 B2	10-2012	Bergin; James P.	G06Q10/10	707/793
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Not for submission under 37 CFR 1.99)</small>	Application Number	13/867,724
	Filing Date	Apr 22, 2013
	First Named Inventor	Justin Middleton
	Art Unit	2646
	Examiner Name	Mong-Thuy Tran
	Attorney Docket Number	325819.08

U.S. PATENT APPLICATION PUBLICATIONS			
Examiner Initial*	Publication Number	Publication Date	Patentee or Applicant
	US-20070072591	Mar 29, 2007	McGary, Faith, et al.
	US-20080155080	Jun 26, 2008	Marlow, Cameron, et al.
NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	"Final Office Action", Application Number 13/915,510, 06/30/2015, 11 pages		
	"Non-Final Office Action", Application Number 13/915,510, 04/09/2015, 13 pages		
EXAMINER SIGNATURE			
Examiner Signature	/MONG-THUY TRAN/	Date Considered	09/10/2015
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>			



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/865,366	04/18/2013	Edward Joseph Unpingco	338672.01	3389
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				MARTELLO, EDWARD
ART UNIT		PAPER NUMBER		
		2613		
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

stevensp@microsoft.com
chriochs@microsoft.com
usdocket@microsoft.com

<i>Supplemental Notice of Allowability</i>	Application No. 13/865,366	Applicant(s) UNPINGCO ET AL.	
	Examiner EDWARD MARTELLO	Art Unit 2613	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the 37 C.F.R. 1.312 amendment received 08 September 2015.
 - A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1-20. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input checked="" type="checkbox"/> Other <u>PTOL-271</u> . |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ . | |

/EDWARD MARTELLO/
Primary Examiner, Art Unit 2613

<i>Response to Rule 312 Communication</i>	Application No.	Applicant(s)
	13/865,366	UNPINGCO ET AL.
	Examiner	Art Unit
	EDWARD MARTELLO	2613

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. The amendment filed on 08 September 2015 under 37 CFR 1.312 has been considered, and has been:

- a) entered.
- b) entered as directed to matters of form not affecting the scope of the invention.
- c) disapproved because the amendment was filed after the payment of the issue fee.
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
- d) disapproved. See explanation below.
- e) entered in part. See explanation below.

	/EDWARD MARTELLO/ Primary Examiner, Art Unit 2613
--	------------------------------------------------------



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/831,581	03/15/2013	Tolga Acar	337965.01	4591
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				ZOUBAIR, NOURA
ART UNIT		PAPER NUMBER		
		2434		
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

stevensp@microsoft.com
chriochs@microsoft.com
usdocket@microsoft.com

Office Action Summary	Application No. 13/831,581	Applicant(s) ACAR ET AL.	
	Examiner NOURA ZOUBAIR	Art Unit 2434	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 8/24/2015.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) Claim(s) 1-20 is/are pending in the application.
 5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) Claim(s) _____ is/are allowed.
- 7) Claim(s) 1-20 is/are rejected.
- 8) Claim(s) _____ is/are objected to.
- 9) Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) The specification is objected to by the Examiner.
- 11) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some** c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 3) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
- 2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
 Paper No(s)/Mail Date _____.
 4) Other: _____.

1. The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/24/2015 has been entered.

- Claims 1, 2, 6, 11, 17, 18 and 20 have been amended.
- No claims have been cancelled.
- No claims have been added.
- claims 11-16 are interpreted under 35 USC 112(f).
- Claims 1-20 are pending.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claim as a whole, considering all claim elements both individually and in combination, do not amount to significantly more than an abstract idea. Examples of abstract ideas may include fundamental economic practices, certain methods of organizing human activities, an idea of itself, and mathematical relationships or formulas. They may also include ideas that are routine, long-prevalent, or conventional. Refer to Alice Corp. Pty. Ltd. v. CLS Bank Int'l et. al, 134 S. Ct. 2347 (2014).

In general, conventional steps, specified at a high level of generality, are insufficient to supply an inventive concept. Data-gathering method steps are considered insignificant and add nothing of practical significance to the underlying abstract idea. Other limitations such as pre-solution activity are also considered insignificant. Together, these types of steps are insufficient to transform an otherwise patent-ineligible abstract idea into patent-eligible subject matter. Ultramercial, Inc. v. Hulu, LLC, 09-CV-68918 at p.11 (Fed. Cir. 2014), paraphrasing Mayo Collaborative Services v. Prometheus Laboratories, Inc., 132 S. Ct. 1289 (2012).

Regarding Claims 1, 7, and 11, these claims are directed to the abstract idea of generating anonymous signatures using a verifier designated cryptographic data in order to anonymously authenticate to a service provider. Additional structure recited namely memory, processor and/or entities for communicating and manipulating electronic content, do not contribute significantly more to the underlying abstract idea.

The additional elements or combination of elements, other than the abstract idea per se, amount to no more than mere instructions to implement the idea on a computer, and a recitation of generic computer structure that serves to perform generic computer functions that are well-understood, routine, and conventional activities previously known.

Regarding Claims 2-10, 12-16 and 18-20, these claims fail to cure the deficiencies of their parent claims and therefore inherit the rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained, though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-10 and 17-20 are rejected under pre-AIA 35 U.S.C. 103 (a) as being unpatentable **over** Au et al., "Dynamic universal accumulators for DDH groups and their application to attribute-based anonymous credential systems", Lecture Notes in Computer Science, vol. 5473, pp.295-308, 2009 **in view of** Wu et al., "A novel

probabilistic signature based on bilinear square Diffie–Hellman problem and its extension”, published August, 13, 2012, Wiley Online Library.

Re Claim 1, Au discloses in a computing environment (i.e. server) [Au, p.2, paragraph titled “Anonymous Credential Systems”], Au further suggests (i.e. to construct DUA-DDH, we take Nguyen’s DA construction as the point of departure; we augment universality to it) [Au, p.4, Section 2.2, II.1-2] a method performed at least in part on at least one microprocessor (i.e. server), comprising, processing a verification request from a user for accessing a service provider (i.e. We introduce the Attribute-Based Anonymous Credential System, which allows the verifier to authenticate anonymous users according to any access control policy) [Au, abstract], (and i.e. those and only those users who have registered to an organization O can authenticate their membership in O to any verifier (e.g., a server, another organization, etc.) anonymously and unlinkably among the set of all members in O) [Au, p.2, paragraph titled “Anonymous Credential Systems”], including, accessing a non-revocation component (i.e. To be able to revoke membership efficiently, O can maintain a DA) [Au, p.2, paragraph titled “Anonymous Credential Systems”] for securing a minimal disclosure credential (i.e. to join an organization O, a user U first registers her pseudonym, which is simply a commitment of her pre-established private key x_U , e.g., in her

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PKI credential. Pseudonyms (even those of the same user) are hence unlinkable. O then issues a CL-signature σ_U on x_U according to the issuing protocol for CL-signatures, during which O learns nothing about x_U . U uses σ_U as her anonymous credential) [Au, p.2, paragraph titled "Anonymous Credential Systems"] in which the non-revocation component is generated using a prime-order cryptographic group-based scheme (i.e. a DUA-DDH is a DUA such that there exists a cyclic group G in Y_f in which the DDH assumption holds) [Au, p.7, Section 3.2], applying [verifier-designated] cryptographic data (i.e. Let ACA i be the ACA that certifies users' possession of attribute i. Each ACA i instantiates and maintains a DUA-DDH A_i of its own, but for the same G, and independently picks a generator g_i of G at random. Let U be a user with a pre-established private key x . For each attribute i she possesses, she can get certified by ACA i by providing her pseudonym $y_i = g_i^x$ w.r.t. ACA i) [Au, p.5, Section 2.3] to validate the non-revocation component (i.e. O then issues a CL-signature σ_U on x_U according to the issuing protocol for CL-signatures) (and i.e. to demonstrate her non-revoked membership in O to a verifier V , U conducts a zero-knowledge proof that (1) she has O's signature on her private key, and that (2) the signature is a credential in O's current DA) [Au, p.2, paragraph titled "Anonymous Credential Systems"], and controlling access to the service provider based upon the validity of the minimal disclosure credential (i.e. ABACS

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thus enables privacy-preserving attribute-based access control, in which a server is willing to grant a user access to an object such as a file or a service so long as the attributes possessed and/or lacked by the user satisfy the server's access control policy on the object) [Au, p.2, Section 1.2] as determined by the non-revocation component (i.e. to demonstrate her non-revoked membership in O to a verifier V , U conducts a zero-knowledge proof that (1) she has O's signature on her private key, and that (2) the signature is a credential in O's current DA) [Au, p.2, paragraph titled "Anonymous Credential Systems"].

Au does not explicitly disclose whereas Wu does that the cryptographic data is: verifier-designated (i.e. after validating the PV-signature, the designator further creates a designated verifier signature DV-signature and delivers it together with the message to a designated verifier. Consequently, the DV-signature can only be verified by the designated verifier with his or her private key) [Wu, p.760, col. 2, Section 5.1].

It would have been obvious to a person having ordinary skill in the art at the time of the invention to modify Au with Wu for forbidding a signature verifier to arbitrarily disseminating the signature, so as to protect the privacy of signature holder. Concretely speaking, any signature holder can designate a PV-signature to some specific verifier

with the verifier's public key so that only the intended verifier who knows the corresponding private key can validate the UDVS [Wu, p.763, col.1, Section 7].

Re Claim 2, Au in view of Wu suggests the method of claim 1, Au further suggests comprising validating a commitment for a revocation attribute corresponding to a user identifier I [p.5, Section 3.1, Definition 1], (and i.e. ABACS thus enables privacy-preserving attribute-based access control, in which a server is willing to grant a user access to an object such as a file or a service so long as the attributes possessed and/or lacked by the user satisfy the server's access control policy on the object) [Au, p.2, Section 1.2].

Re Claim 3, Au in view of Wu suggests the method of claim 1, Au further suggests wherein controlling access to the service provider (i.e. a server is willing to grant a user access to an object such as a file or a service so long as the attributes possessed and/or lacked by the user satisfy the server's access control policy on the object) [Au, p.2, Section 1.2] further comprises determining the user identifier's membership or non-membership in an accumulator comprising at least one valid identifier or at least one revoked identifier, respectively (i.e. paragraphs titled "Efficient Generation", "Efficient

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Evaluation", "Membership (resp. non-membership) witnesses") [p.5, Section 3.1, Definition 1].

Re Claim 4, Au in view of Wu suggests the method of claims 1 and 3, Au further suggests comprises if the user identifier is a member of the accumulator comprising the at least one valid identifier or if the user identifier is a non-member of the accumulator comprising the at least one revoked identifier, instructing the service provider to grant the verification request (i.e. To be able to revoke membership efficiently, O can maintain a DA as a "white-list" of users whose membership has not yet been revoked, by adding each user U's credential σ_U (or its identifier) to its DA when U registers and, when desired, deleting σ_U from DA to revoke U's membership. Therefore, to demonstrate her non-revoked membership in O to a verifier V, U conducts a zero-knowledge proof that (1) she has O's signature on her private key, and that (2) the signature is a credential in O's current DA) [Au, p.2, paragraph titled "Anonymous Credential Systems"], (and i.e. Flexible attribute-based access control. The verifier can choose to enforce any access control policy expressible as a boolean attribute formula in disjunctive normal form (DNF), i.e., a disjunction of terms, where each term is a conjunction of possibly negated boolean attributes, e.g., (Student ^ Bio) V (not Bio)") [Au, p.3].

Re Claim 5, Au in view of Wu suggests the method of claims 1 and 3, Au further suggests comprises if the user identifier is a non-member of the accumulator comprising the at least one valid identifier or if the user identifier is a member of the accumulator comprising the at least one revoked identifier, instructing the service provider to deny the verification request (i.e. Alternatively, O can maintain a DUA as a "blacklist" of users whose membership has been revoked. In this case, to demonstrate her non-revoked membership in O, U instead proves in zero-knowledge that (1) she has O's signature on her private key, and that (2) the signature is not a credential in O's current DUA) [Au, p.2, paragraph titled "Anonymous Credential Systems"], (and i.e. Flexible attribute-based access control. The verifier can choose to enforce any access control policy expressible as a boolean attribute formula in disjunctive normal form (DNF), i.e., a disjunction of terms, where each term is a conjunction of possibly negated boolean attributes, e.g., (Student ^ Bio) V (not Bio)) [Au, p.3].

Re Claim 6, Au in view of Wu suggests the method of claim 1, Au further suggests further comprising generating a challenge based upon a prime-order cyclic group of the non-revocation component [Au, p.8, Sections 4 and 4.1], processing a witness to an identifier (i.e. Let $D = h_1^x h_2^s$ in G_q be the commitment of x

using some random number s) [Au, p.8, Section 4.1], and verifying non-revocation of the identifier based upon the witness and a commitment to the identifier that is computed using the challenge (i.e. there exists a witness (c, d)) [Au, p.9, Section 4.3], (and i.e. there exists a degree $k-1$ polynomial $c(\alpha)$ and a constant d such that $v(\alpha) = c(\alpha)(\alpha + \sim y) + d \dots$) [Au, p.7, Section 3.2].

Re Claim 7, Au in view of Wu suggests the method of claim 1, Au in view of Wu further suggests wherein applying the private cryptographic data further comprises using a verifier-designated private key [Wu, p.760, col. 2, Section 5.2], based upon a discrete logarithmic group, to prove non-revocation of the minimal disclosure credential [Au, p.8, Sections 4 and 4.1].

The same motivation as in claim 1, to modify Au with Wu, applies.

Re Claim 8, Au in view of Wu suggests the method of claim 1, Au further suggests wherein applying the private cryptographic data further comprises verifying a presentation proof generated for the minimal disclosure credential (i.e. That is, there exists witness w such that $(w; y; v) = 1$. The following protocol demonstrates that the element y , committed as c , is in the accumulator value v) [Au, p.9, Sections 4.2 and 4.3] by using a prime-order cyclic subgroup construction or an elliptical curve construction of the prime-order cryptographic group to compute mathematical numbers for comparison with

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components of the presentation proof (i.e. a DUA-DDH is a DUA such that there exists a cyclic group G in Y_f in which the DDH assumption holds) [Au, p.7, Section 3.2].

Re Claim 9, Au in view of Wu suggests the method of claim 1, Au in view of Wu further suggests wherein applying the private cryptographic data further comprises generating a verifier-designated [Wu, p.760, section 5.1] cryptographic using a standardized cryptographic group, and applying the verifier-designated [Wu, p.760, section 5.1] cryptographic key to the non-revocation component to determine validity of the minimal disclosure credential (i.e. Section 3.2, paragraphs titled “Generation” and “Evaluation” under “Our UA construction”) [Au, p.7].

The same motivation as in claim 1, to modify Au with Wu, applies.

Re Claim 10, Au in view of Wu suggests the method of claim 1, Au further discloses comprising generating a public cryptographic key and a private cryptographic key from a prime-order cyclic subgroup or elliptic curve (i.e. Let $G_1 = \langle g \rangle$ and $G_q = \langle h \rangle$ be cyclic groups of prime order p and q respectively, such that G_q a subset of Z_p^* is the domain of our DUA-DDH construction. Let $g_0; g_1$ and $h_0; h_1; h_2$ be independent generators of G_1 and G_q respectively. Let $y = h_0^x$ in G_q and let $c = g_0^y g_1^r$ in G_1 be the commitment of y using random number r) [Au, p.8, Section 4].

Re Claim 17, Au in view of Wu suggests one or more computer-readable storage media having computer-executable instructions, which when executed perform steps, comprising: accessing a minimal disclosure credential and a user identifier (i.e. to join an organization O, a user U first registers her pseudonym, which is simply a commitment of her pre-established private key x_U , e.g., in her PKI credential. Pseudonyms (even those of the same user) are hence unlinkable. O then issues a CL-signature σ_U on x_U according to the issuing protocol for CL-signatures, during which O learns nothing about x_U . U uses σ_U as her anonymous credential) [Au, p.2, paragraph titled “Anonymous Credential Systems”], the minimal disclosure credential comprising a revocation attribute as a committed undisclosed attribute for the user identifier (i.e. paragraphs titled “Efficient Generation”, “Efficient Evaluation”, “Membership (resp. non-membership) witnesses”) [p.5, Section 3.1, Definition 1, also p.7, Section 3.2]; generating a presentation proof using an accumulator based witness for the revocation attribute and [verifier-specific] cryptographic data (i.e. Let ACA i be the ACA that certifies users' possession of attribute i. Each ACA i instantiates and maintains a DUA-DDH A_i of its own, but for the same G, and independently picks a generator g_i of G at random. Let U be a user with a pre-established private key x . For each attribute i she possesses, she can get certified by ACA i by providing her pseudonym $y_i = g_i^x$ w.r.t. ACA i)

[Au, p.5, Section 2.3], the presentation proof to prove non-revocation of the minimal disclosure credential [p.5, Section 3.1, Definition 1] and the [verifier-specific] cryptographic data to comprise a [verifier designated] public key;

Au does not explicitly disclose whereas Wu does that the cryptographic data is a verifier-specific cryptographic data which comprises a verifier-designated public key [Wu, p.760, col. 2, Sections 5.1, 5.2].

It would have been obvious to a person having ordinary skill in the art at the time of the invention to modify Au with Wu for forbidding a signature verifier to arbitrarily disseminating the signature, so as to protect the privacy of signature holder. Concretely speaking, any signature holder can designate a PV-signature to some specific verifier with the verifier's public key so that only the intended verifier who knows the corresponding private key can validate the UDVS [Wu, p.763, col.1, Section 7].

Au further discloses: and initiating a transaction using the presentation proof and the minimal disclosure credential (i.e. a server is willing to grant a user access to an object such as a file or a service so long as the attributes possessed and/or lacked by the user satisfy the server's access control policy on the object) [Au, p.2, Section 1.2],

Wu further discloses: the presentation proof configured to be authenticated using a verifier designated private key [Wu, p.760, col. 2, Section 5.2].

Re Claim 18, Au in view of Wu suggests the computer-readable storage media of claim 17, Au in view of Wu further suggests one or more computer-readable media of claim 17 having further computer-executable instructions comprising: generating the verifier-designated private key [Wu, p.760, col. 2, Section 5.2] from a multiplicative subgroup construction or an elliptic curve construction [Au, p.7, Section 3.2]; and generating the verifier-designated public key [Wu, p.760, col. 2, Section 5.2] using attributes of the minimal disclosure credential and the private key [Au, p.7, Section 3.2, paragraph titled “Evaluation”].

The same motivation as in claim 17, to modify Au with Wu, applies.

Re Claim 19, Au in view of Wu suggests the computer-readable storage media of claim 17, Au further suggests having further computer-executable instructions comprising: generating a non-revocation witness for an accumulator using a verifier-generated challenge [Au, p.9, ll.1-10, challenge-response protocol].

Re Claim 20, Au in view of Wu suggests the computer-readable storage media of claim 17, Au further suggests having further computer-executable instructions comprising: generating a commitment for signing a revocation attribute that is based upon one discrete logarithmic cryptographic group [Au, p.8, Sections 4 and 4.1]; and computing a hash value (i.e. accumulators allow the representation of a set of elements $Y = f\{y_1, y_2, \dots, y_n\}$ by a single value v of size independent of Y 's cardinality; using an initial value u , one

can accumulate Y into v by invoking the accumulating function f as $v := f(u; Y)$. Accumulators should be collision-resistant) [Au, p.1, Section 1.1, II.1-2, defines an accumulator as a hash function] for validating the commitment for the revocation attribute [p.5, Section 3.1, Definition 1, paragraph “Membership (resp. non-membership) witnesses”], (and i.e. ABACS thus enables privacy-preserving attribute-based access control , in which a server is willing to grant a user access to an object such as a file or a service so long as the attributes possessed and/or lacked by the user satisfy the server's access control policy on the object) [Au, p.2, Section 1.2].

Claims 11-16 are rejected under pre-AIA 35 U.S.C. 103 (a) as being unpatentable **over** Au et al. **in view of** Natarajan (2012/0023336).

Re Claim 11, Au discloses an identity management system, comprising: an issuer to operate as an authoritative source of cryptographic information, the issuer further operative to process authenticated user data from an identity provider that includes a user identifier (i.e. to join an organization O , a user U first registers her pseudonym, which is simply a commitment of her pre-established private key x_U , e.g., in her PKI credential to demonstrate her non-revoked membership in O to a verifier V , U conducts a zero-knowledge proof that (1) she has O 's signature

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on her private key, and that (2) the signature is a credential in O's current DA) [Au, p.2, paragraph titled "Anonymous Credential Systems"], generate a minimal disclosure credential using a prime-order cryptographic group (i.e. a DUA-DDH is a DUA such that there exists a cyclic group G in \mathbb{Y}_f in which the DDH assumption holds) [Au, p.7, Section 3.2],

Au does not explicitly disclose whereas Natarajan does: without bilinear pairing (i.e. Present invention provides a time efficient system which implements certificateless public key cryptography techniques **without bilinear pairing**) [Natarajan, para.0124], (i.e. The server keeps track of the set of private key and public key assigned to individual clients. Elliptic curve cryptography method is utilized at the server side for encrypting the value. The value that has been encrypted using client's public key is sent to the client. The server challenges the client to decrypt the encrypted value and prove its identity. The client receives the encrypted value and decrypts the encrypted value using its private key and elliptic curve cryptography method thereby proving to the server that it is a trusted destination) [Natarajan, para.0106],

It would have been obvious to a person having ordinary skill in the art the time of the invention to modify Au with Natarajan teaching because there was felt a

need for a cost and time effective system which is based on certificateless public key cryptosystem but does not make use of the principle of bilinear pairing [Natarajan, para.0018].

Au further discloses: and encode the authenticated user data into the minimal disclosure credential as attributes (i.e. To support an attribute, a corresponding Attribute Certification Authority (ACA) is created (during setup or dynamically when needed) to issue credentials to users to certify their possession of that attribute) [Au, p.3, paragraph titled “Features”]; and a revocation authority operative to generate an accumulator representing at least one revoked user identity or at least one valid user identity and compute [verifier-specific] cryptographic data for use in proving non-revocation of the minimal disclosure credential (i.e. paragraphs titled “Efficient Generation”, “Efficient Evaluation”, “Membership (resp. non-membership) witnesses”) [p.5, Section 3.1, Definition 1, also p.7, Section 3.2] when executing electronic transactions (i.e. users who have registered to an organization O can authenticate their membership in O to any verifier e.g. a server) [Au, p.2, Section 1.1.2].

Au in view of Natarajan does not explicitly disclose whereas Wu does that the cryptographic data is: verifier-specific (i.e. after validating the PV-signature, the designator further creates a designated verifier signature DV-signature and delivers it together with the message to a designated verifier. Consequently, the DV-signature can

only be verified by the designated verifier with his or her private key) [Wu, p.760, col.2, ll.4-8].

It would have been obvious to a person having ordinary skill in the art at the time of the invention to modify Au in view of Natarajan with Wu for forbidding a signature verifier to arbitrarily disseminating the signature, so as to protect the privacy of signature holder. Concretely speaking, any signature holder can designate a PV-signature to some specific verifier with the verifier's public key so that only the intended verifier who knows the corresponding private key can validate the UDVS [Wu, p.763, col.1, Section 7].

Re Claim 12, Au in view of Natarajan and Wu discloses the system of claim 11, Au further discloses wherein the revocation authority publishes the accumulator (i.e. Each ACA i publishes A_i, g_i (with a proof of their correct generation) and the list of pseudonyms that have been added in A_i) [Au, p.5, Section 2.3] as a signed blacklist or a signed whitelist (i.e. To be able to revoke membership efficiently, O can maintain a DA as a "white-list" of users whose membership has not yet been revoked, by adding each user U's credential σ_U (or its identifier) to its DA when U registers and, when desired, deleting σ_U from DA to revoke U's membership. Therefore, to demonstrate her non-revoked membership in O to a verifier V, U conducts a zero-knowledge

proof that (1) she has O's signature on her private key, and that (2) the signature is a credential in O's current DA. Alternatively, O can maintain a DUA as a "blacklist" of users whose membership has been revoked. In this case, to demonstrate her non-revoked membership in O, U instead proves in zero-knowledge that (1) she has O's signature on her private key, and that (2) the signature is not a credential in O's current DUA) [Au, p.2, paragraph titled "Anonymous Credential Systems"].

Re Claim 13, Au in view of Natarajan and Wu discloses the system of claim 11, Wu further discloses: wherein the revocation authority communicates a verifier-designated private cryptographic key to a verifier associated with a service provider (i.e. the designator further creates a designated verifier signature (DV-signature) and delivers it together with the message to a designated verifier. Consequently, the DV-signature can only be verified by the designated verifier with his or her private key) [Wu, p.760, col. 2, Section 5.1, also p.760, section 5.3].

Au in view of Natarajan and Wu further discloses: wherein the verifier-designated private cryptographic key [Wu, p.760, col. 2, Section 5.2] corresponds to a discrete logarithm-based prime-order cryptographic group [Au, p.8, Sections 4 and 4.1].

The same motivation as in claim 11, to modify Au and Natarajan with Wu, applies.

Re Claim 14, Au in view of Natarajan and Wu discloses the system of claim 11, Au further suggests wherein the revocation authority computes an accumulator-based non-revocation witness for the user identifier, and communicates the accumulator-based non-revocation witness to a user (i.e. a corresponding Attribute Certification Authority (ACA) is created (during setup or dynamically when needed) to issue credentials to users to certify their possession of that attribute) [Au, p3, Section titled “Features”], (and i.e. Let U be a user with a pre-established private key x . For each attribute i she possesses, she can get certified by ACA i by providing her pseudonym $y_i = g_i^x$ w.r.t. ACA i . ACA i then adds y_i to its A_i . To later revoke the certification, ACA i can simply delete y_i from A_i . Finally, for each attribute j U lacks, she need not do anything (such as contacting ACA j); her pseudonym w.r.t. ACA j is by default not in ACA j 's A_j . Each ACA i publishes A_i , g_i (with a proof of their correct generation) and the list of pseudonyms that have been added in A_i From the published information, a user can compute a (resp. non-) membership witness for each attribute i she has (resp. not) been certified) [Au, p.5, Section 2.3].

Re Claim 15, Au suggests in view of Natarajan and Wu discloses system of claim 11, Au in view of Natarajan and Wu further suggests wherein the revocation

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authority updates the accumulator, in response to a member deletion or a member addition (i.e. paragraph titled “Update of accumulator”) [Au, p.8], using the verifier-specific cryptographic data [Wu].

The same motivation as in claim 11, to modify Au and Natarajan with Wu, applies.

Re Claim 16, Au suggests in view of Natarajan and Wu discloses system of claim 11, Au in view of Natarajan and Wu further suggests wherein the revocation authority computes the accumulator using a verifier-designated [Wu] cryptographic key (i.e. Let ACA i be the ACA that certifies users' possession of attribute i . Each ACA i instantiates and maintains a DUA-DDH A_i of its own, but for the same G , and independently picks a generator g_i of G at random. Let U be a user with a pre-established private key x . For each attribute i she possesses, she can get certified by ACA i by providing her pseudonym $y_i = g_i^x$ w.r.t. ACA i) [Au, p.5, Section 2.3] or a verifier-generated challenge generated from an isomorphic additive subgroup (i.e. Section 3.2, paragraphs titled “Generation” and “Evaluation” under “Our UA construction”) [Au, p.7].

The same motivation as in claim 11, to modify Au and Natarajan with Wu, applies.

Response to arguments

Applicant's arguments filed on 8/24/2015 have been fully considered however they were not found to be persuasive.

- With respect to Applicant's arguments regarding the 35 USC 112 (f) interpretation, claims 11-16 are interpreted under 35 USC 112(f) since MPEP 2181, cited by Applicant, states that the "presumption may be overcome if the claim limitation is shown to use a non-structural term that is "a nonce word or a verbal construct that is not recognized as the name of structure" but is merely a substitute for the term "means" associated with functional language. *Lighting World*, 382 F.3d at 1360, 72 USPQ2d at 1350. The substitute term in such cases acts as a generic placeholder for the term "means" and would not be recognized by one of ordinary skill in the art as being sufficiently definite structure for performing the claimed function". The terms issuer and revocation authority are not known structural elements therefore they are generic place holders for the term "means". Hence, an interpretation of these claims under 35 USC 112(f) is proper.

-With respect to Applicant's arguments regarding a verifier-designated cryptographic data, these arguments are moot in view of the new grounds of rejection. The above office action relies on Wu et al. to reject features related to verifier-designated cryptographic data.

- With respect to Applicant's arguments that an attribute cannot be accumulated into an accumulator because it would have to be disclosed to the verifier or the issuer. Examiner respectfully disagrees since Au clearly states that Thanks to the DDH assumption, no one – not even to the ACAs – can tell which user

a pseudonym belongs to, or whether two ACAs' pseudonym lists contain a common user [Au, Section 2.3]. In Au, pseudonyms of the attributes are disclosed and accumulated therefore the attribute themselves are not disclosed [see Au, p.5, Section 2.3].

-With respect to Applicant's arguments that Au's disclosure cannot be modified to implement a scheme without a bilinear pairing because Au's technology needs to operate on a commitment to the user's private key and another commitment for the pseudonym, Examiner respectfully disagrees since commitments for the user's private key and the pseudonym may be performed without a bilinear pairing.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NOURA ZOUBAIR whose telephone number is (571)270-7285. The examiner can normally be reached on Monday - Friday 8am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand can be reached on 571-272-3811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/NOURA ZOUBAIR/
Examiner, Art Unit 2434
/KAMBIZ ZAND/
Supervisory Patent Examiner, Art Unit 2434

Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination 13/831,581 ACAR ET AL.	
		Examiner	Art Unit NOURA ZOUBAIR	2434 Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
	A	US-				
	B	US-				
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Tzong-Sun Wu and Han-Yu Lin, "A novel probabilistic signature based on bilinear square Diffie–Hellman problem and its extension", Published in Wiley Online Library, August 13, 2012.
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/829,218	03/14/2013	Devid Liik	338721.01	1979
69316	7590	09/15/2015	EXAMINER	
MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052				GOLABBAKHSH, EBRAHIM
ART UNIT		PAPER NUMBER		
2452				
NOTIFICATION DATE			DELIVERY MODE	
09/15/2015			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

stevensp@microsoft.com
chriochs@microsoft.com
usdocket@microsoft.com

Office Action Summary	Application No. 13/829,218	Applicant(s) LIIK ET AL.	
	Examiner Ebrahim Golabbakhsh	Art Unit 2452	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 8/07/15.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) Claim(s) 1-12, 14-17 and 19-22 is/are pending in the application.
 5a) Of the above claim(s) _____ is/are withdrawn from consideration.
 6) Claim(s) _____ is/are allowed.
 7) Claim(s) 1-12, 14-17 and 19-22 is/are rejected.
 8) Claim(s) _____ is/are objected to.
 9) Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10) The specification is objected to by the Examiner.
 11) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) All b) Some** c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892) 3) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____.
 2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) 4) Other: _____
 Paper No(s)/Mail Date _____.

CONTINUED EXAMINATION UNDER 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 08/07/2015 has been entered.

RESPONSE TO AMENDMENTS

2. This communication is responsive to the communication filed on 08/07/2015.

CLAIM REJECTIONS – 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim(s) 1-12, 14-17 and 19-22 is/are rejected under 35 U.S.C. 103(a) as being unpatentable by Blouin, Francois J. et al. US 20030126246 A1 (Hereinafter Blouin) in view of Hegde; Yogesh L. et al. US 20120051236 A1 (Hereinafter Hegde).

As per claim 1 and 19-20, the combination of Blouin and Hegde teaches:

- **A method of communicating data between a communication client at a first endpoint and a communication client at a second endpoint, the method comprising: allocating a plurality of logical communications channels between the first and second endpoint;** (Blouin, Para 80 and 84, Fig.5 and 6 and 15, Hegde Para 34 teaches the concept of the nodes being communication clients.)

- **further comprising detecting a change or potential change in a communications network for communicating data between the first and second endpoints, said trigger being dependent on said detection.** (Blouin, Para 124 teaches the use of techniques taught in this invention to be based on “*either on a dynamic basis, through rearrangement of allocated transport resources, or on a provisioning basis, where network transport (and hence switching) resources are enhanced to accommodate changing traffic demand.*” A detection of change should happen before the accommodation could be performed.)
- **in response to the detecting, transmitting a probe message, (comprising an echo request, Hegde Abstract and Para 21) from the communication client at the first endpoint to the second endpoint over each of the plurality of logical communications channels;** (Blouin, Para 122-124)
- **selecting, in dependence on said performance measurement, a first logical communications channel from the plurality of logical communication channels; and** (Blouin, Para 98 and 135 also see Para 149-150 where the measurements are listed in the tables and selections are being made based on those.)
- Blouin fails to explicitly teach **measuring, by the first communication client, the performance of each of the plurality of logical communications channels in dependence on said transmission of probe messages;**
- However Hegde in an analogous art teaches **measuring, by the first communication client, the performance of each of the plurality of logical communications channels in dependence on said transmission of probe messages;** (Hegde, Fig. 6 Element 660-670 and Para 74)

Therefore it would have been obvious to one of the ordinary skill in the art at the time the invention was made to incorporate the teaching of Hegde into the system of Blouin because this would have been a reasonable expectation of

success since the same concept had been successfully practiced at the time of the invention.

- Blouin Para 154 shows that the connection has been established and talks about the requested node accepting the connection. Blouin doesn't explicitly teach the connection to be used for ***streaming data between the first and second endpoints over the first logical communications channel.***

However it was obvious at the time of invention that once the connection was made it could have been used for streaming or many other network communication related matters.

As per claim 2, claim 1 is incorporated and Blouin further teaches:

- **the first endpoint being a first device executing the communication client application and the second endpoint being a second device executing a corresponding communication client application.** (Blouin, Para 46)

As per claim 3, claim 1 is incorporated and Blouin further teaches:

- **the plurality of logical communications channels capable of being maintained over a single physical communications channel.** (Blouin, Para 80 teaches the ability for the system to establish multiple connections on the same route as long there's enough bandwidth available for the requested connection. Also see Para 94 and Fig. 7)

As per claim 4, claim 1 is incorporated and Blouin further teaches:

- **said streaming data being a continuation of a data steam over a logical communications channel other than the first logical communications channel.** Blouin Para 154 shows that the connection has been established and talks about . Blouin doesn't explicitly teach the connection to be used for a continuation of a data steam over a logical communications channel other than the first logical communications channel.

However it was obvious at the time of invention that once the connection was made it could have been used for a continuation of a data stream or many other network communication related matters.

As per claim 5, claim 1 is incorporated and Blouin further teaches:

- **said measuring of the performance of each of the plurality of logical communications channels being further dependent on a response or non-response for each of the said transmitted probe messages.** (Blouin, Para 84 and fig. 6 teach the measurements being in response to the denial response for node 210)

As per claim 6, claim 5 is incorporated and Blouin further teaches:

- **wherein each response to the transmitted probe message indicates the performance of the logical communications channel over which said probe message was transmitted.** (Blouin, Para 84)

As per claim 7, claim 1 is incorporated and Blouin further teaches:

- **said determining of the performance of each of the plurality of logical communications channels being further dependent on measuring, by the first client application, at least one of: packet drop rate; retransmission rate; round-trip time; and jitter.** (Blouin, Para 104)

As per claim 8, claim 1 is incorporated and Blouin further teaches:

- **wherein the detecting the change or potential change in a communications network for communicating data between the first and second endpoints, comprises generating a trigger that is effective to initiate the transmitting.** (Blouin, Para 124 teaches the use of techniques taught in this invention to be based on “*either on a dynamic basis, through rearrangement of allocated transport resources, or on a provisioning basis, where network transport (and hence switching)*

resources are enhanced to accommodate changing traffic demand.” A detection of change should happen before the accommodation could be performed.)

As per claim 9, claim 1 is incorporated and Blouin further teaches:

- **said change or potential change in the communications network comprising a change or potential change in the physical network connection.** (Blouin, Para 124 and 62 the combination of the two cited paragraphs teach the system's accommodations with regards to changes in the network. It was well known to an ordinary skill in the art at the time of invention that physical changes effect the network's topology and very many other aspects.)

As per claim 10, claim 1 is incorporated and Blouin further teaches:

- **said change in the communication network comprising one or more of: a change in available network interfaces; a change in address of a network interface; an interruption in communications over the communications network; a change in bandwidth; a change in latency or a change in a mode of operation of a network interface.** (Blouin, Para 124)

As per claim 11, claim 1 is incorporated and Blouin further teaches:

- **said potential change in the communications network comprising a change in a list of available network interfaces.** (Blouin, Para 74)

As per claim 12, claim 1 is incorporated and Blouin further teaches:

- **further comprising establishing one or more additional logical communications channels subsequent to selecting the first logical communications channel.** (Blouin, Para 84, Blouin teaches the method of selecting best route, it is obvious to assume this procedure to repeat as many times as needed for as many as connection as needed as long as the network is capable of serving new routes.)

As per claim 13, claim 1 is incorporated and Blouin further teaches:

- **the first logical channel being selected from the plurality of logical communications channels.** (Blouin, Abstract and Para 70)

As per claim 14, claim 1 is incorporated and Blouin further teaches:

- **further comprising the step of: classifying each of the plurality of communications channels as usable or not usable, said classifying being dependent on said measuring of performance.** (Blouin, Abstract and Para 163 teaches the three categories of edge-to-edge links.)

As per claim 15, claim 14 is incorporated and Blouin further teaches:

- **said step of selecting being further dependent on said classifying.** (Blouin, Abstract and Para 76 teaches the selection being based on the link being a primary link.)

As per claim 16, claim 15 is incorporated and Blouin further teaches:

- **if more than one logical communications channel is classified as usable, the logical communications channel having the best performance and classified as usable being selected.** (Blouin, Abstract and Para 76 teaches the selection being based on the link being a primary link. Also see fig. 4 and 7)

As per claim 17, claim 14 is incorporated and Blouin further teaches:

- **further comprising attempting to establish one or more additional logical communications channels if each of the plurality of communications channels are classified as not usable.** (Blouin, Para 80 teaches continuing the process of trying different routes (not usable) until it reaches a usable link or all the routes are exhausted.)

As per claim 21, claim 20 is incorporated and Blouin further teaches:

- **wherein the detection of the change or potential change in the communications network for communicating data between the first and second endpoints, comprises generating a trigger that is effective to initiate the transmission.** (Blouin, Para 62 and 124.)

As per claim 22, claim 20 is incorporated and Blouin further teaches:

- **said change or potential change in the communications network comprising a change or potential change in the physical network connection.** (Blouin, Para 124 and 62 the combination of the two cited paragraphs teach the system's accommodations with regards to changes in the network. It was well known to an ordinary skill in the art at the time of invention that physical changes effect the network's topology and very many other aspects.)

RESPONSE TO ARGUMENTS

Arguments filed on 08/07/2015 have been fully considered however they are found to be moot in view of the new grounds of rejections.

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ebrahim Golabbakhsh whose telephone number is (571)270-7210. The examiner can normally be reached on Monday-Thursday 7:30AM thru 5:00PM EST alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thu Nguyen can be reached on 571-272-6967. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-722-1000.

<p>/EBRAHIM GOLABBAKHSH / EXAMINER, ART UNIT 2452</p>	
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Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination 13/829,218 LIIK ET AL.	
		Examiner	Art Unit Ebrahim Golabbakhsh	2452 Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2012/0051236 A1	03-2012	Hegde; Yogesh L.	H04L43/10	370/252
	B	US-				
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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