

2001

digital audio playback device  
wireless communication link  
user request copy  
mobile digital audio player  
enable wireless communication  
digital playback device and/or  
digital audio content  
addition digital content  
digital audio player

2002

multidimensional space  
recommendation specific query  
multidimensional data  
multidimensional cube  
variable information  
process system  
computer software  
retrieve data

2003

secondary identity  
primary identity  
user identifier  
common graphical user interface  
secondlevel password  
onetime challenge  
additional service  
account holder  
multiple identity  
secondary identity interacts  
primary identity interacts  
popup popunder  
list contains  
internet advertisement  
dynamic html advertisement  
different publisher  
summon information  
sensitive wallet  
response mechanism  
flexible wallet account

2004

original message  
reply message  
social network  
mobile telephone  
reply source indicator  
destination indicator  
memory device  
cpuintensive computational task  
visibility preference  
contactability preference  
personal information  
timeofday competitor  
software rule  
recent internet browser software  
personal computer  
payperclick search engine ppcses  
mimic human  
member search result  
keyword bid management system  
internet access

2005

communication system  
email message  
host system  
delivers email message  
certain user  
particular moment  
electronic data  
instant message  
various type

2006

product category  
news item  
medium content  
social network environment  
real life friend  
privacy summary  
social network  
digital medium  
central computer  
data item  
remote content  
online community  
community flyer  
privacy setting selection  
social network member  
social timeline  
computer program  
system method  
video file testimonial  
user profile digital photo digital audio

2007

social network  
digital file  
travel time  
trust value  
multiple identity  
master keywords  
data unit  
temporal period  
gift account  
trust level  
social network member  
social network environment  
social network database  
time exceeds  
time block  
adjacent appointment  
geographic location  
gps identifier  
source language hypothesis  
communication interface

2008

top term  
social network  
demographic information  
text phrase  
external system  
picture file  
thirdparty application server  
calendar entry  
authentication code  
user profile  
topic frequencies  
rank analysis  
random sample  
public forum  
graphical format  
gender information  
discussion members comment  
certain topic  
average age  
available translation

2009

browser application  
abstract phrase  
executable code segment  
data center  
text phrase  
text value  
response phase  
social network  
social captcha  
response portion  
client application  
external system  
remote host  
browser plugin  
challenge question  
cost function  
identification information  
state object  
particular position  
integration rule

2010

web page  
threshold degree  
candidate user  
particular embodiment access  
search query  
user comment  
user node  
access code  
social network  
participant list  
data center  
instant message  
current location  
client device  
virtual credit  
malicious group  
content object  
markup language document  
social information  
visual tag

2011

mobile device  
anchor term  
map view  
particular embodiment  
timeline unit  
social network  
multimedia content  
content object  
content item  
search result  
database client  
access rule  
database query  
user interface  
configuration file  
multimedia object  
candidate node  
news feed story  
source id  
conversation thread

2012

electronic message  
mobile device  
instant message  
content item  
geographic location  
user profile  
visible portion  
input tool  
social graph  
user interface  
web page  
data request  
subordinate user  
browser request  
particular embodiment  
communication system  
alert gate  
profile information  
user interaction  
target user

2013

character stream  
social graph  
interactive element  
content item  
electronic message  
social network  
digital file  
medium item  
noncompletion character  
user interface  
online system  
story specification  
wireless device  
web page  
geographic location  
test audio fingerprint  
user device  
screen area  
audio signal  
interest metric

2014

mobile device  
content item  
social network  
future activity  
online system  
client device  
social graph  
timeline unit  
computerreadable medium  
medium content item  
storage component  
communication message  
particular embodiment  
text query  
organic content item  
external system  
privacy setting  
visual medium  
touch controller  
additional user

2015

client device  
content item  
social graph  
mobile device  
medium item  
online system  
social network  
computerreadable medium  
user account  
medium presentation system  
medium presentation  
party system  
search result  
client system  
optical beam  
data service package  
resource reference  
web page  
access code  
search query

2016

client device  
mobile device  
target word  
social graph  
content identifier  
user profile  
content item  
computer system  
online system  
machine translation system  
client system  
particular embodiment  
story unit  
audio fingerprint  
party account  
visualmedia item  
visual content  
object collection  
collection update  
audio signal



2017

network request  
rewrite rule  
natural language user request  
network resource  
object graph  
mobile device  
source video  
bit rate  
antenna element  
network access component  
video quality metric  
client device  
data store  
pilot symbol  
antenna subarray  
text string  
new version  
malicious group  
allowable deviation  
computerreadable medium

2018

access code  
access device  
remote web browser  
user identifier  
present geographic location  
content creation event  
access device techniques  
geographic location  
retrieve message data  
message experience  
message data  
application website  
application operative  
access code generator  
data representative  
content instance  
processor circuit