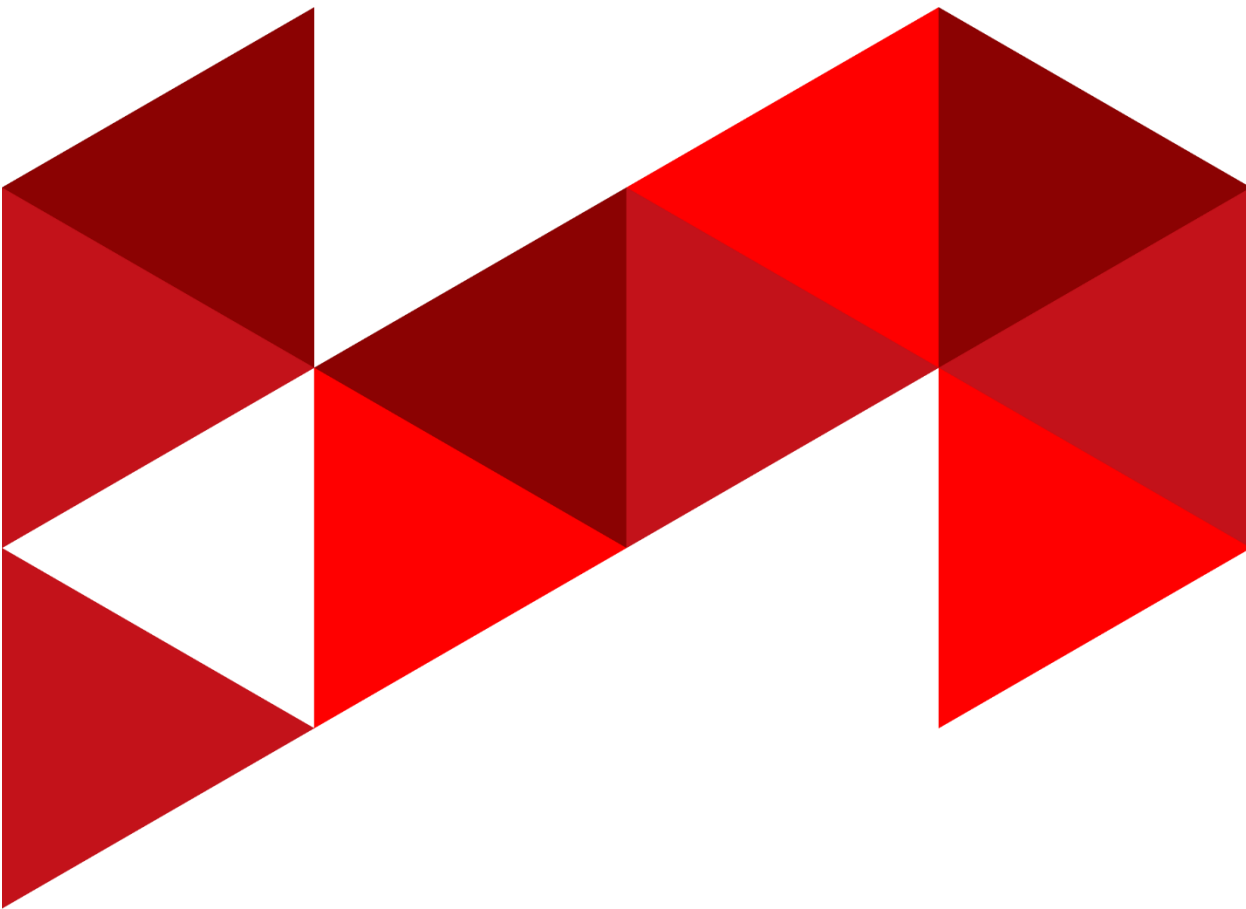


**ClaimChart** LLM

# ClaimChart LLM

---

User Manual



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## 1. Login

For accessing the tool, click to <https://next.xlscout.ai/>

Recent Activity: [Blog](#)



**AI and Natural Language Processing**  
Untapping the tools for Innovation  
[+] rec

Komal Sharma Tatwar  
Founder: IT Consultants & XLINT

**AI and Natural Language Processing:**  
**Untapping the tools for Innovation**

A podcast that we all would love to listen to: Talks about tech and the "not so common aspects" Starting up early Being a first-gen entrepreneur straight out of college. High risks? Indeed! "But the high...

[Read More](#)

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<< Back to Home

**xlscout**

**Welcome back,**  
Good to see you again.

User Email \*

kanika.gupta@itconsultants.com

Password \*

\*\*\*\*\*

☐ Remember me [Forgot your password?](#)

Login

Don't have an account? [Sign up now](#)







OR

Login with Institutional Access

<Insert Email & Password>

## 2. Home Page

Welcome,  
**Dhruv Saini**

 <b>TECH SCAPER</b> <a href="#">▶ Run module</a>	 <b>COMPANY EXPLORER</b> <a href="#">▶ Run module</a>	 <b>EXPERT PATENT SEARCH</b> <a href="#">▶ Run module</a>
 <b>NOVELTY CHECKER &amp; IDEACUE</b> <a href="#">▶ Run module</a>	 <b>INVALIDATOR+</b> <a href="#">▶ Run module</a>	 <b>ClaimChart LLM</b> <a href="#">▶ Run module</a>

### **3. ClaimChart 2.0**

### 3.1 Publication Search

The screenshot shows the ClaimChart LLM web application interface. The top navigation bar includes the logo, a language dropdown set to 'English', and a user profile 'Welcome, Manik Manik'. Below the navigation bar, the main content area is titled 'publication-search'. On the left, a 'Choose options' sidebar has 'Single' selected and 'Multiple' below it. The main area has tabs for 'Publication Search' and 'Advanced Search'. A red box highlights 'Claim Chart Reports: 144 left' in the top right, with an arrow pointing to another red box labeled 'Remaining Claim Chart Report Credits'. In the center, there is a section for 'AI-Generated Claim Charts' featuring a robot icon. Below this, a text input field contains 'US-8100924-B2' and a 'Proceed >' button. Two red arrows originate from this section: one points to a box stating 'The User, Can Enter the Patent Number of Choice', and the other points to a box stating 'Click on Proceed, to Validate the Input Patent'.

Claim Chart Reports: 144 left

Remaining Claim Chart Report Credits

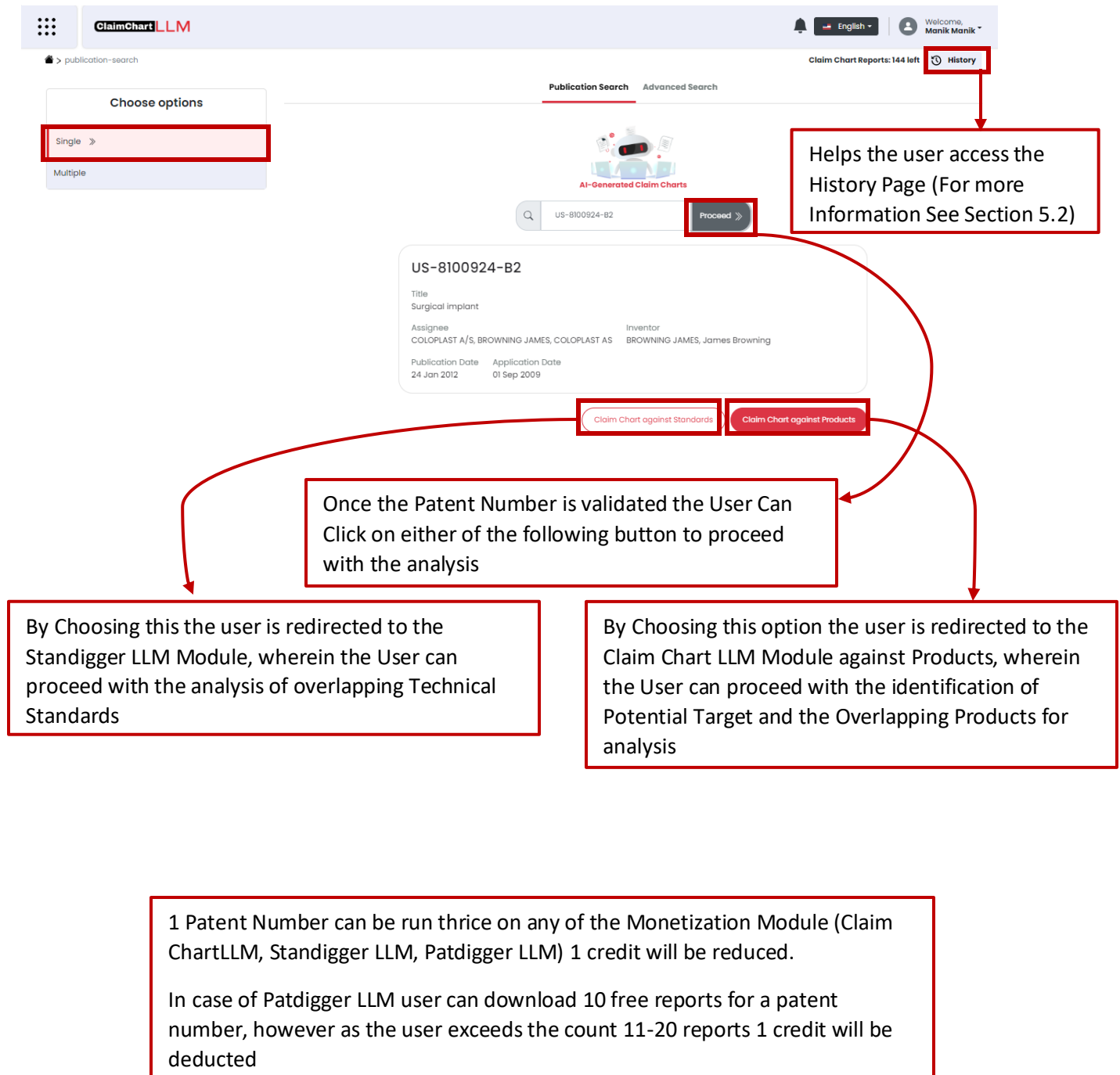
The User, Can Enter the Patent Number of Choice

Click on Proceed, to Validate the Input Patent

Note: If the Patents fed to the system are without the kind-code then a window pops up requiring user to select the patent matched with correct kind-code by the system

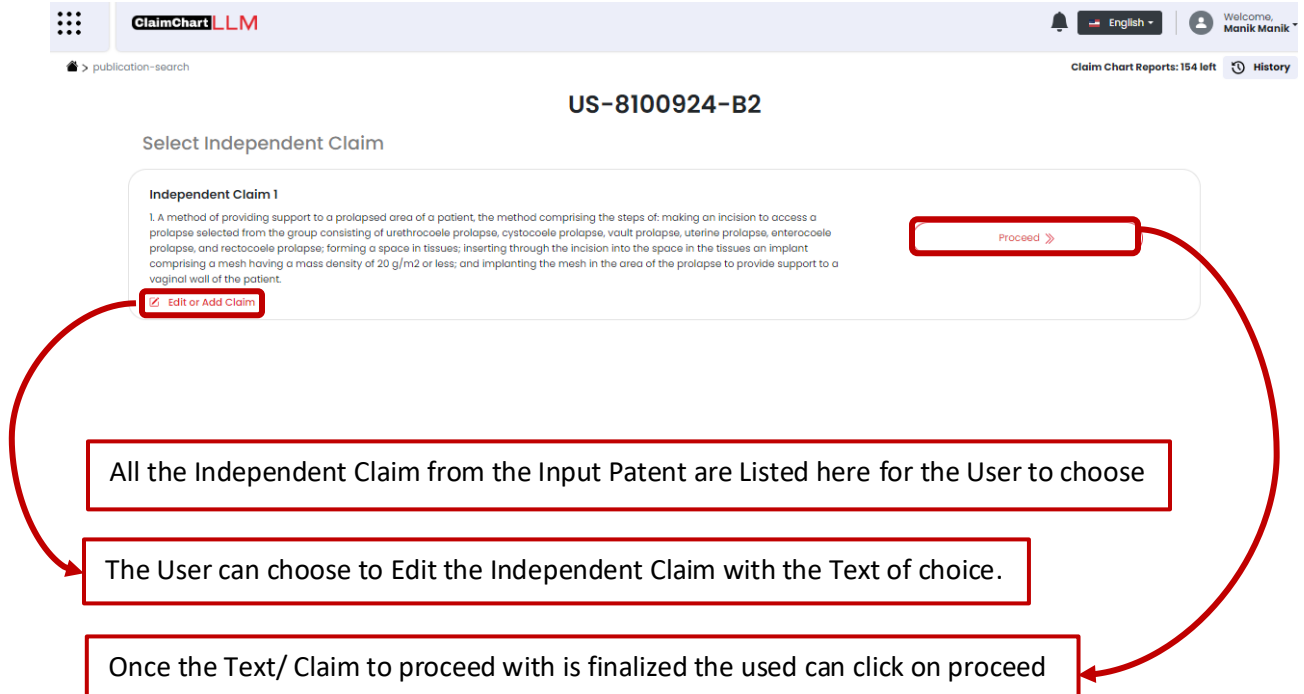
Note: 1 Claim Chart Report Consumes 1 Credit from the Total Limit out of which the Daily Credit Limit User can run a maximum of 20 cases in a day combining the cases run on Claim Chart LLM + Patdigger LLM + Standigger LLM

### 3.1.1 Validating Input Patent





### 3.1.2 Claim Selection



### 3.1.3 Claim Element Finalization

publication-search > Claims > Key Features

Claim Chart Credits: 24.5 left History

### Inspect Claim Elements and Supporting Context

Independent Claim 1  
**US-8100924-B2**

☒ Supporting Context

A method for treating pelvic organ prolapse by implanting an ultra-lightweight mesh (20 g/m<sup>2</sup>) through an incision to support the vaginal wall, specifically addressing various types of prolapses including urethrocoele, cystocele, vault, uterine, enterocele, and rectocele.

Edit Relevant Key Feature (Optional)

1. A method of providing support to a prolapsed area of a patient, the method comprising the steps of:	Delete Add Feature +
making an incision to access a prolapse selected from the group consisting of urethrocoele prolapse, cystocele prolapse, vault prolapse, uterine prolapse, enterocele prolapse, and rectocele prolapse;	Delete Add Feature +
forming a space in tissues;	Delete Add Feature +
inserting through the incision into the space in the tissues an implant comprising a mesh having a mass density of 20 g/m <sup>2</sup> or less; and	Delete Add Feature +
implanting the mesh in the area of the prolapse to provide support to a vaginal wall of the patient.	Delete Add Feature +

Proceed >

The System Provides the User option to Delete, Add or Edit the Key Features

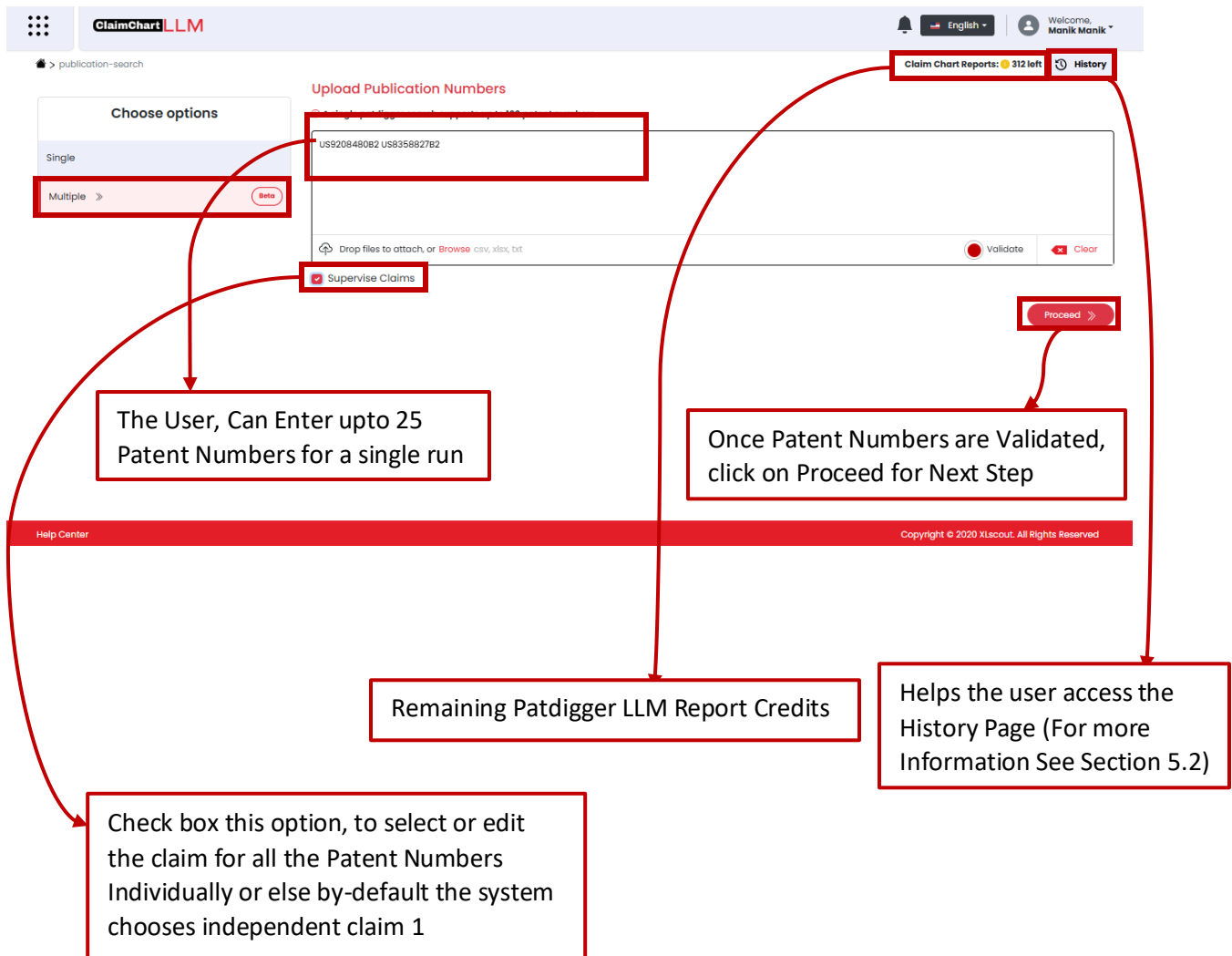
The User will get an AI Automated Supporting Context, which will be by-default included in the search however the user proceeds excluding it by simply deselecting the check box. User can also edit the Supporting Context

User can Proceed with this option if they want to Supervise the search, by proceeding with the chosen Target Companies for analysis.

Note: When the user clicks on “Proceed” button, user will land on “Enter Target page”, discussed in detail from Section 5

## **4. Patdigger 2.0**

## 4.1 Publication Search



1 Patent Number can be run thrice on any of the Monetization Module (Claim ChartLLM, Standigger LLM, Patdigger LLM) 1 credit will be reduced.

In case of Patdigger LLM user can download 10 free reports for a patent number, however as the user exceeds the count 11-20 reports 1 credit will be deducted

## 4.2 Supervise Claims

The screenshot shows the 'ClaimChart LLM' interface. At the top, there's a header with the logo, language settings (English), and user information (Welcome, Vivek Sharma). Below the header, a status bar indicates 'Claim Chart Credits: 246 left' and a 'History' link. The main area is titled 'Select And Review Claims > Selecting Claim Manually'. A red notification says '2 Independent Claim Selected for 2 Publication Number'. There are two buttons: 'Expand Rows' and 'Select Default Claim'. The table has columns: 'S no.', 'Publication Number', 'Title', 'Claim No.', 'Claims', and 'Action'. It lists two patent entries. The first entry, 'Optical waveform generation and use based on print characteristics ...', has a dropdown menu for 'Claim No.' showing 'Claim 1' selected, with other options 'Claim 9', 'Claim 16', and 'Claim 20'. The 'Claims' column for this entry lists several methods for determining optical waveforms. The 'Action' column has icons for edit and delete. The second entry, 'Mobile deposit system for digital image and transaction manage...', also has a dropdown menu with 'Claim 1' selected. A 'Proceed >>' button is at the bottom right. Red arrows point from text boxes to specific UI elements: one to the 'Claim No.' dropdown, one to the 'Expand Rows' button, one to the 'Select Default Claim' button, and one to the edit icon in the 'Action' column.

S no.	Publication Number	Title	Claim No.	Claims	Action
1	US-8358827-B2	Optical waveform generation and use based on print characteristics ...	Claim 1	1. A method for determining an optical waveform based on a plurali	[Edit] [Delete]
			Claim 1	1. A method for determining an optical waveform based	[Show More]
			Claim 9	9. The method of claim wherein the peaks represent at l	[Show More]
			Claim 16	16. A system for determining an optical waveform based	[Show More]
			Claim 20	20. An optical reader device configured to generate an o	[Show More]
2	US-9208480-B2	Mobile deposit system for digital image and transaction manage...	Claim 1	1. A computer implemented central system for receiving image data	[Edit] [Delete]
			Claim 1	1. A computer implemented central system for receiving	[Show More]
			Claim 10		[Show More]

User can select the target independent claim of his own choice. By default, claim 1 will be used for mapping.

User can expand or collapse all the rows at once.

User can edit claim leveraging this option.

By default, claim 1 will be selected. User can use this slider to select or deselect default selected claim.

Note: User has to select independent claim for every Patent Number individually to proceed.

Note: When the user clicks on "Proceed" button, user will land on "Enter Target page", discussed in detail from section 5

## 5. Enter Target

ClaimChart LLM

English

Welcome Vivek Sharma

Publication-search > Claims > Key Features > Enter Target

Claim Chart Credits: 228 left History

### Set a Target & Let AI Explore the Best Targeted Products

The Submitted Product and Company will be incorporated in AI-Ranking.

Specific Target Company

Sony

Nokia

Samsung

Add Target

☒ Explore AI-Recommended Products.

Type your target products if any (Optional)

Enter product 1

Enter company 1

Enter product 2

Enter company 2

Enter product 3

Enter company 3

Add Product

Upload Product Data

Upload Product Data

Upload Product Data

Exclude Target Company From AI analysis

LG, Motorola, Apple

Trail\_Case

BackGo Find Gold

User can select maximum of 3 target companies

## 5.1 Manually Entered Companies

ClaimChart LLM

English - Welcome, Vivek Sharma

Claim Chart Credits: 228 left History

Publication-search > Claims > Key Features > Enter Target

### Set a Target & Let AI Explore the Best Targeted Products

The Submitted Product and Company will be incorporated in AI-Ranking.

Specific Target Company

Sony

Nokia

Samsung

Explore AI-Recommended Products.

Type your target products if any (Optional)

Enter product 1 Enter company 1 Upload Product Data

Enter product 2 Enter company 2 Upload Product Data

Enter product 3 Enter company 3 Upload Product Data

Add Product

Exclude Target Company From AI analysis

LG, Motorola, Apple

Trail Case

Go Find Gold

User can select this Check Box to Explore AI-Recommended Products.

User can add Reference number, which will be shown in History Page and in Report Name

Click here to proceed for Report Generation

Either for single or for multiple Patent Numbers, in AI-recommended products, AI will recommend 3 products for each manually added company.

## 5.2 Manually Entered Products

The screenshot displays the ClaimChart LLM interface. The main heading is "Set a Target & Let AI Explore the Best Targeted Products". Below this, there's a section for "Specific Target Company" with input fields for Sony, Nokia, and Samsung. A red box highlights the "Add Target" button. To the right, a modal titled "Add Excel with Product Hyperlinks for Sony Product name" is shown, featuring a "Choose File" button and "Confirm" and "Cancel" buttons. A red box highlights the "Go Find Gold" button in the bottom navigation bar. A red box at the bottom right contains the text: "This window will pop up as the User clicks on 'Upload' Button. User can upload excel here, and then click on Confirm button to submit."

User can add maximum 3 products of their choice which will be considered for analysis

If User wants, they can Upload an Excel Sheet containing Hyperlinks which will be used during mapping of the products. User can add 1 product per company.

Click here to proceed for Report Generation.

This window will pop up as the User clicks on "Upload" Button. User can upload excel here, and then click on Confirm button to submit.



## 5.3 AI Assisted Search

ClaimChart LLM

Publication-search > Enter Target

Set a Target & Let AI Explore the Best Targeted Products

The Submitted Product and Company will be incorporated in AI-Ranking.

Specific Target Company

Enter company (optional) [Add Target](#)

☒ Explore AI-Recommended Products.

Type your target products if any (optional)

Enter product 1 Enter company 1 [Upload Product Data](#)

[+ Add Product](#)

Exclude Target Company From AI analysis

Google, Intel

Test\_case

[Back](#) [Go Find Gold](#)

Help Center

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If the User is unaware about which company to proceed with then they can directly click on “Go Find Gold”.

Click here to proceed for Report Generation.

With the help of this feature, user can exclude companies to get mapped for the Patent Number.

User can exclude maximum of 5 companies.

User can see list of excluded companies on history page as well.

Note: For single patent number, User will see 5 companies and 3 products per company.

For Multiple patent numbers, User will see 3 companies per patent number and 3 products per company.

## 5.4 History Page

ClaimChartLLM

English

Welcome, Vivek Sharma

> history

Claim Chart Credits: 228 left

History

Patdigger 2.0 / Claimchart 2.0

Standigger

Claimchart (Archived)

Combine

#	Last Updated Date	Search Details	Action	Notes
<input type="checkbox"/> 1	9 Apr 2025, 4:25:05 PM	<div><div>Publication Number Count: 1 [US-10827947-B2] <a href="#">Read more...</a></div><div>Claimchart Report Status: Ranking Completed Ref No: Trail_Case</div><div>Search Type: Claimchart</div><div>Company: Sony, Nokia, Samsung</div><div>Product: AI-Recommended</div><div>Company Excluded: LG, Motorola, Apple</div></div>	<div>Show Report</div> <div>Download Report</div> <div>Re Run</div> <div></div>	<div>No notes added</div>

List of excluded companies.

User can re-run a case with another Target Company leveraging this option

This Feature enables Users to add comments for future references

This Button Becomes Accessible as soon as the Ranking gets completed, for which the user is notified via email

## 5.4.1 Combine History Feature

The screenshot shows the 'History' page with a table of search results. The table has columns for '#', 'Last Updated Date', 'Search Details', 'Action', and 'Notes'. The first two rows are highlighted with red boxes. A red arrow points from the 'Combine' button in the top right corner to a text box. Another red arrow points from the first two rows of the table to the same text box.

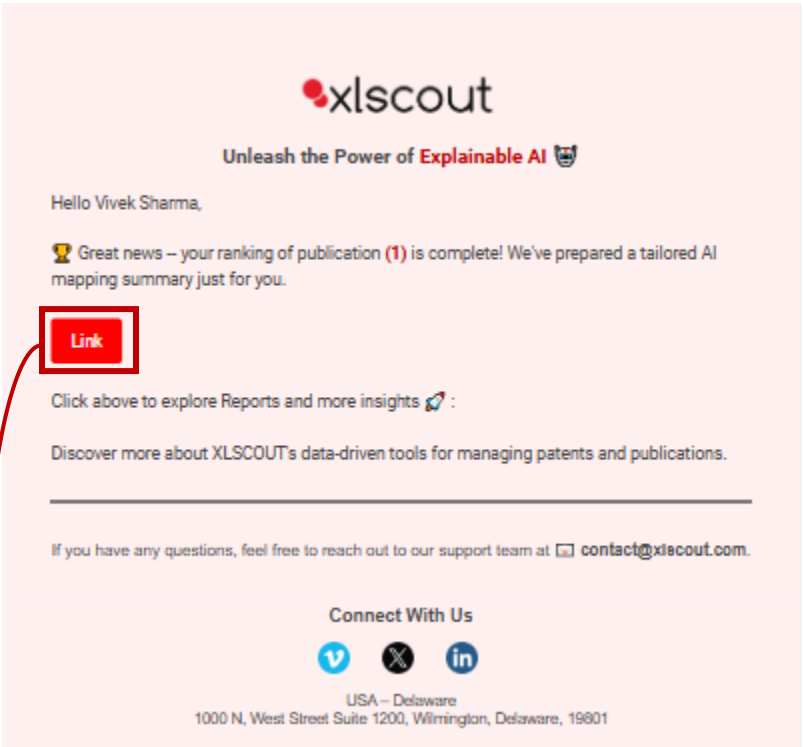
#	Last Updated Date	Search Details	Action	Notes
1	21 Mar 2025, 11:34:10 AM	<b>Publication Number Count:</b> 1 ["US-9966583-B2"] <a href="#">Read more...</a> <b>Claimchart Report Status:</b> <b>Patdigger Report Generated</b> <b>Search Type:</b> Claimchart <b>Company:</b> AI-Recommended <b>Product:</b> AI-Recommended	<a href="#">Show Report</a> <a href="#">Download Report</a> <a href="#">Re Run</a> <a href="#">Delete</a>	No notes added <a href="#">Add Note</a>
2	21 Mar 2025, 2:28:05 AM	<b>Publication Number Count:</b> 1 ["US-9966583-B2"] <a href="#">Read more...</a> <b>Claimchart Report Status:</b> <b>Patdigger Report Generated</b> <b>Search Type:</b> Claimchart <b>Company:</b> AI-Recommended <b>Product:</b> AI-Recommended	<a href="#">Show Report</a> <a href="#">Download Report</a> <a href="#">Re Run</a> <a href="#">Delete</a>	No notes added <a href="#">Add Note</a>

This new feature allows users to combine data and manage large sets of publication numbers more efficiently. User will see combined excel after using this feature. That excel will be re-ranked after combination.

Note: User can combine history for only those cases whose status is either "Ranking Completed" or "Patdigger Report Generated".

User can combine at max of 5 cases in one go.

5.5 Ranking Completion



User gets notified about the Ranking completion via mail, by click on the link tab the user is directly redirected to the History Page from where user can access the Report.

<input type="checkbox"/> #	Last Updated Date	Search Details	Action ↻	Notes 📝
<input type="checkbox"/> 1	30 Dec 2024, 10:51:12 AM	<b>Publication Number Count :</b> 5 ["US-9208480-B2"] <a href="#">Read more...</a> <b>Claimchart Report Status :</b> Ranking Completed <b>Ref No :</b> trial_case <b>Search Type :</b> Patdigger <b>Company :</b> USAA <b>Product :</b> AI-Recommended	<div>Show Report</div> <div>Download Report</div> <div>Re Run</div> <div></div>	<div>No notes added</div> <div></div>

## 5.6 Patdigger Ranking Page

history > Patdigger-ranking

Claim Chart Credits: 339 left History

### Patdigger Ranking

Total Selected Rows: 0 Selected Patents: 0

Clear Filters Export in Excel Show Chart View Add Target

Para-Rank	Patent Num...	Title	Company	Product	Claim Elements	Mapping Summary	Weighted Average	Para Agent	Actions
<input type="checkbox"/>	1	US-10530572-B2	Denso	Engine Electronic Control Unit (ECU)	7	1, 2, 3, 4, 5, 6i, 7i	0.81		
<input type="checkbox"/>	1	US-10530572-B2	Toyota	Toyota Protect	7	1, 2, 3, 4i, 5i, 6, 7	0.81		
<input type="checkbox"/>	1	US-10530572-B2	Toyota	Toyota Security System	7	1, 2, 3, 4i, 5i, 6i, 7	0.72		
<input type="checkbox"/>	1	US-10530572-B2	Denso	Defense-in-depth Security System	7	1, 2i, 3, 4, 5i, 6i, 7n	0.58		

Download Patdigger Report

All the Input Patents are listed based on the Ranking which is calculated according to the Mapping Summary (discussed in 5.6.5)

The Agent automatically extracts different patent section and drawings from the subject patent and helps user is improving mapping summary.

Green Border means that row's drafting report is generated.

(discussed in 5.6.1)

This feature is used to visualize the chart view of Ranking.

(discussed in 5.6.4)

Using this Option, User will land on the home page. With the help of this function, User can add more publication numbers or user can change the target as well.

Note: User should select at least one Patent Number to access this option.

Using this Option User can export the Ranking Sheet in Excel Format.

Note: To leverage this option, user should make sure that no patent

**Stay tuned! You will receive an email with the Excel file shortly.**

OK

As the User clicks on "OK" the Ranking Excel sheet is sent via email

## 5.5.1 AI Agents

The Agent automatically extracts different patent sections and drawings from the subject patent, making it easy for users to review the application.

### 5.5.1.1 ChatBot

The screenshot displays the DRAFTING LLM ChatBot interface. On the left, a sidebar lists patent sections: Background, Summary, Brief Description of drawings, Detailed Description of The Invention, Claims, and Abstract. The main window is divided into two panes. The left pane shows the 'Key management method used in encryption processing for safely transmitting and receiving messages' with a 'BACKGROUND' section. The right pane, titled 'Chatbot', shows 'Refined claims:' with a list of claims. A red arrow points from the 'Refined claims:' header to a red box containing the text: 'The agent focuses on inferred or non-mapped claim elements identifies by PatdiggerLLM report, then performs claim refinement by incorporating subject matter from subject patent.'

The screenshot displays the DRAFTING LLM ChatBot interface. On the left, a sidebar lists patent sections: Background, Summary, Brief Description of drawings, Detailed Description of The Invention, Claims, and Abstract. The main window is divided into two panes. The left pane shows the 'Key management method used in encryption processing for safely transmitting and receiving messages' with a 'BACKGROUND' section. The right pane, titled 'Chatbot', shows 'Evidence from Specification:' with a list of evidence. A red arrow points from the 'Evidence from Specification:' header to a red box containing the text: 'The agent extracts correlative evidence from the detailed description of the Parent patent application for the refined claim elements.'

### 5.6.1.2 Drawings

**CoDRAFTING LLM**

US-10530572-B2

**B** Background

**S** Summary

**B** Brief Description of drawings

**D** Detailed Description Of The Invention

**C** Claims

**A** Abstract

stores in the one or more second-type electronic control units other than the first-type electronic control unit;

acquiring, by each of the second-type electronic control units, a session key by communication with the first-type electronic control unit based on the stored shared key, and after this acquisition, executing encryption processing regarding a frame transmitted or received via the bus, using this session key; and

executing, by the first-type electronic control unit, inspection of a security state of the shared key stored by the second-type electronic control units in a case where a vehicle in which the onboard network system is installed is in a particular state.

According to the present disclosure, the security state of the shared key is inspected on a timely basis, so security of the onboard network system can be secured.

It should be noted that general or specific embodiments may be implemented as a system, a method, an integrated circuit, a computer program, a storage medium, or any selective combination thereof.

Additional benefits and advantages of the disclosed embodiments will become apparent from the specification and drawings. The benefits and/or advantages may be individually obtained by the various embodiments and features of the specification and drawings, which need not all be provided in order to obtain one or more of such benefits and/or advantages.

**BRIEF DESCRIPTION OF DRAWINGS**

FIG. 1 is a diagram illustrating the overall configuration of an onboard network system according to a first embodiment;

FIG. 2 is a diagram illustrating the format of a data frame stipulated by the CAN protocol;

FIG. 3 is a configuration diagram of a master ECU (key managing device) according to the first embodiment;

FIG. 4 is a diagram illustrating an example of a reception ID list that the master ECU (key managing device) stores;

FIG. 5 is a diagram illustrating an example of a shared key list that the master ECU (key managing device) stores, according to the first embodiment;

FIG. 6 is a diagram illustrating an example of a session key list that the master ECU (key managing device) stores;

FIG. 7 is a configuration diagram of an ECU according to the first embodiment;

FIG. 8 is a diagram illustrating an example of a reception ID list that the ECU stores;

FIG. 9 is a diagram illustrating an example of a reception ID list that the ECU stores;

[Download](#) [Export to doc](#)

Seamless export for further review and legal processing of the draft.

Drawings of the Subject  
Patent.

## 5.5.2 Mapping Summary Visualization

ClaimChart LLM

English - Welcome, Manik Manik

history > Patdigger-ranking Claim Chart Credits: 342 left History

Patdigger Ranking

Total Selected Rows: 0 Selected Patents: 0

Clear Filters Export in Excel Show Chart View Add Target

Para-Rank	Patent Numbers	Title	Claim Number	Company	Product	Claim Elements	Mapping Summary
<input type="checkbox"/> 1	US-10728484-B2	Controlling delivery of video programs using user defined identifiers for video receiver devices	4	AWS	AWS Media Services - Adaptive B	6	1, 2, 3i, 4, 5, 6
<input type="checkbox"/> 1	US-10728484-B2	Controlling delivery of video programs using user defined identifiers for video receiver devices	4	AWS	AWS - Elemental MediaLive	6	1, 2, 3i, 4i, 5i, 6i
<input type="checkbox"/> 2	US-10680408-B2	Streaming policy management system and method	7	AWS	AWS Media Services - Adaptive B	3	1i, 2i, 3
<input type="checkbox"/> 2	US-10680408-B2	Streaming policy management system and method	7	AWS	AWS - Elemental MediaLive	3	1n, 2i, 3

Rows: 4

Download Patdigger Report

The status of each claim element—whether fully mapped, inferred, or not mapped—is clearly indicated through color-coded claim element numbers in the Patdigger Ranking table, enabling easy differentiation.

**Green** colour is for fully mapped claim element.

**Yellow** colour is for inferred claim element.

**Red** colour is for not mapped claim element.



### 5.5.3 RP Accessibility

The screenshot shows the ClaimChart LLM Patdigger Ranking interface. A modal window displays a patent claim and its associated information. Red boxes and arrows highlight specific elements:

- Claim Element:** Points to the claim text: "1. 1. A magnetic resonance imaging apparatus comprising:"
- Patent Number:** Points to the patent number: "US-10827947-B2"
- Company Name | Product Name:** Points to the company and product name: "Samsung | AccE GM85"
- Mapping Summary of that claim element:** Points to the "Mapping Summary" tab in the modal.
- Source's hyperlink from where the RP has been extracted:** Points to the "Source" link at the bottom right of the modal.

The background interface includes a table of patent rankings, a search bar, and a "Download Patdigger Report" button.

Para-Rank	Patent Numbers
<input type="checkbox"/>	US-10827947-B2
<input type="checkbox"/>	US-10827947-B2
<input type="checkbox"/>	US-10827947-B2
<input type="checkbox"/>	US-10827947-B2
<input type="checkbox"/>	US-10827947-B2
<input type="checkbox"/>	US-10827947-B2
<input type="checkbox"/>	US-10827947-B2
<input type="checkbox"/>	US-10827947-B2

Weighted Average
0.32
0.28
0.28
0.18
0.09
0.00
0.00

## 5.5.4 Chart View Ranking

User can revert back to tabular form of Ranking by clicking on this button.

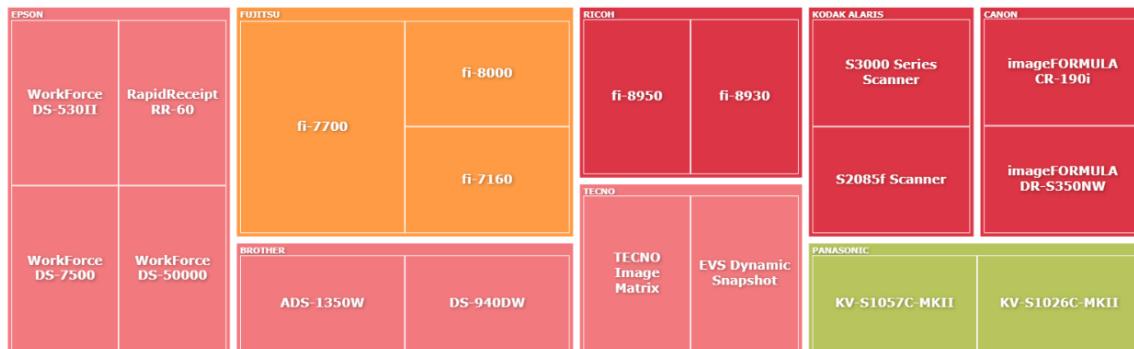
### Patdigger Ranking

Filtered results

Total records: 20

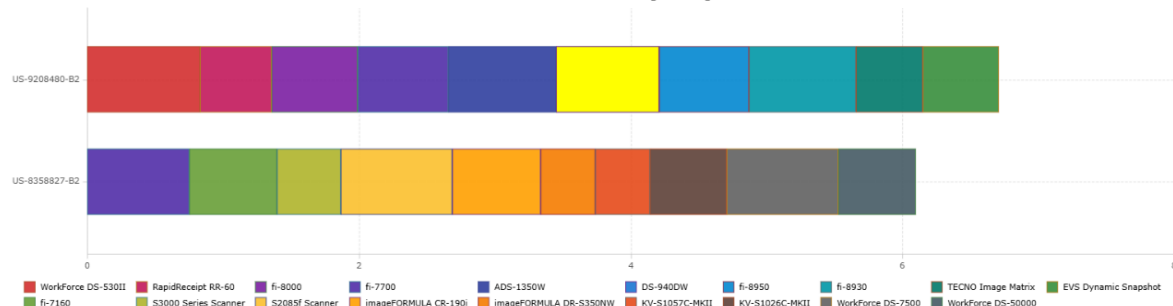
Show Table View

Company count X Product count



All

Publication Number x Product Weighted avg score



All

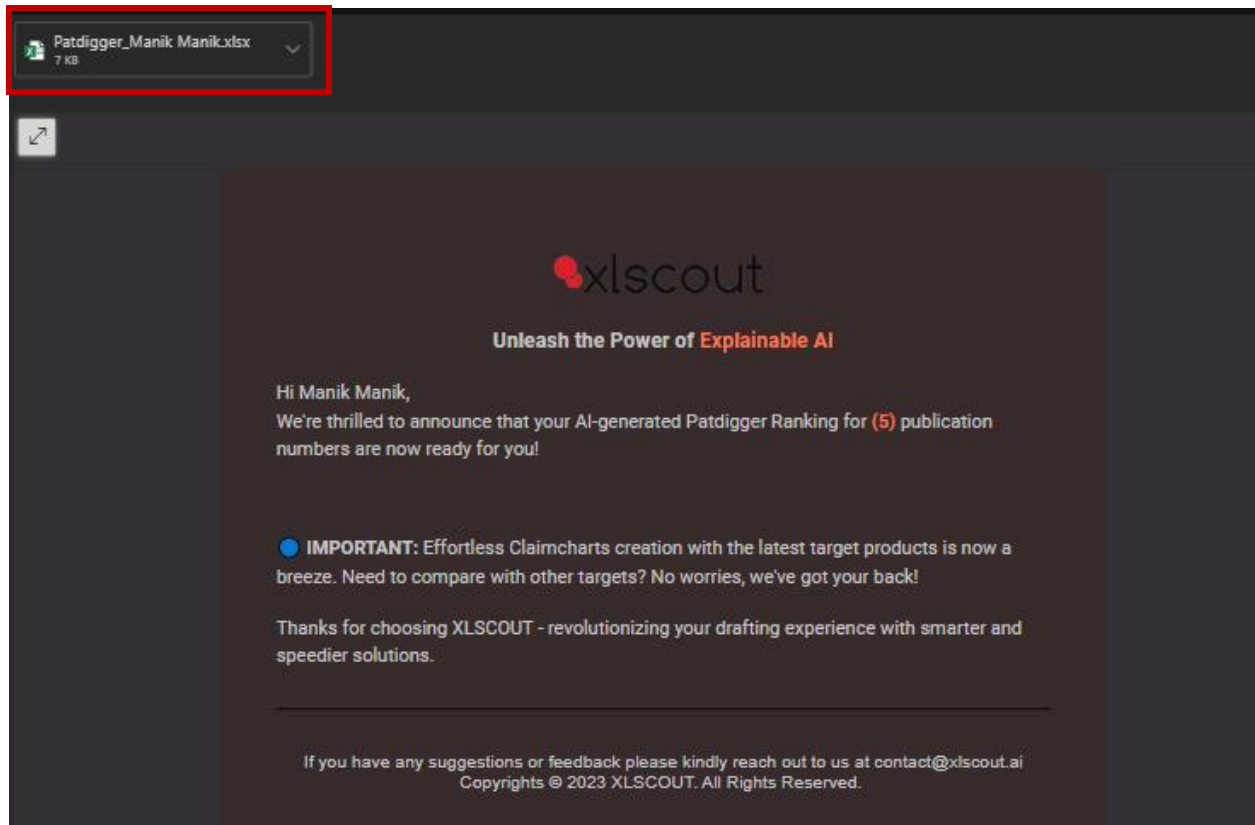
User can use filters provided below each chart. With the help of these filters user can see data according to his own choice.

User will get to see two charts as shown below.

First chart will let user know which product is mapped from which company (how many products from 1 company are mapped).

In second chart, User can see mapped products for a particular Patent.

### 5.5.5 Excel containing Patdigger Ranking



## 5.6 Patdigger Report Generation

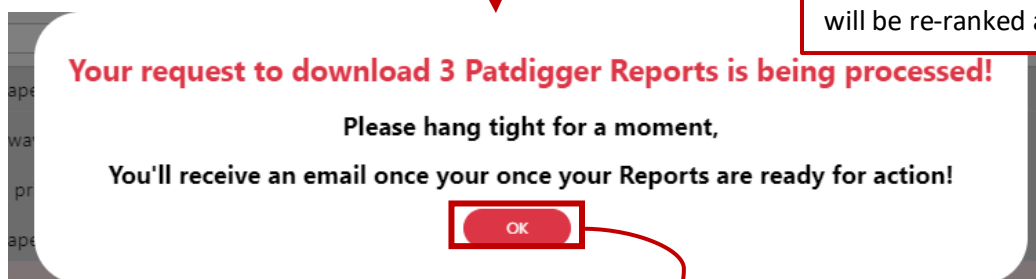
Patent Rank	Patent Numbers	Title	Claim Number	Company	Product	Claim Elements	Mapping Summary	Weighted Average	Actions	User Notes	Date/Time
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Samsung	Acu6 GMBS	7	1a, 2a, 3a, 4a, 5a, 6a, 7a	0.32	[Icons]	No notes added	Apr 9, 2025, 02:57 PM
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Samsung	GMBS Fit	7	1a, 2a, 3a, 4a, 5a, 6a, 7a	0.28	[Icons]	No notes added	Apr 9, 2025, 02:57 PM
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Samsung	RSBS Prestige	7	1a, 2a, 3a, 4a, 5a, 6a, 7a	0.28	[Icons]	No notes added	Apr 9, 2025, 02:57 PM
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Nokia	Holographic Endoscopy System	7	1, 2a, 3a, 4a, 5a, 6a, 7a	0.18	[Icons]	No notes added	Apr 9, 2025, 02:57 PM
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Nokia	Integrated OCT Engine	7	1a, 2a, 3a, 4a, 5a, 6a, 7a	0.09	[Icons]	No notes added	Apr 9, 2025, 02:57 PM
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Nokia	Nokia Healthcare 4.0 Platform	7	1a, 2a, 3a, 4a, 5a, 6a, 7a	0.00	[Icons]	No notes added	Apr 9, 2025, 02:57 PM
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Sony	NUCLEUS Smart Imaging Platform	7	1a, 2a, 3a, 4a, 5a, 6a, 7a	0.00	[Icons]	No notes added	Apr 9, 2025, 02:57 PM
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Sony	POT-FP1 5G Portable Data Transmitter	7	1a, 2a, 3a, 4a, 5a, 6a, 7a	0.00	[Icons]	No notes added	Apr 9, 2025, 02:57 PM
1	US-10827947-82	Magnetic resonance imaging apparatus	1	Sony	MCC-3000MT 3D Full HD Camera	7	1a, 2a, 3a, 4a, 5a, 6a, 7a	0.00	[Icons]	No notes added	Apr 9, 2025, 02:57 PM

User can select the Patent Number for which they want a detailed Mapping

As the User clicks on this, the system starts generating the report for the selected patent numbers.

User can view or download reports individually from here as well, this option is applicable only for reports which have been generated earlier.

Delete button we can delete a particular row, and this icon is available every time, once deleted the other mappings will be re-ranked accordingly.

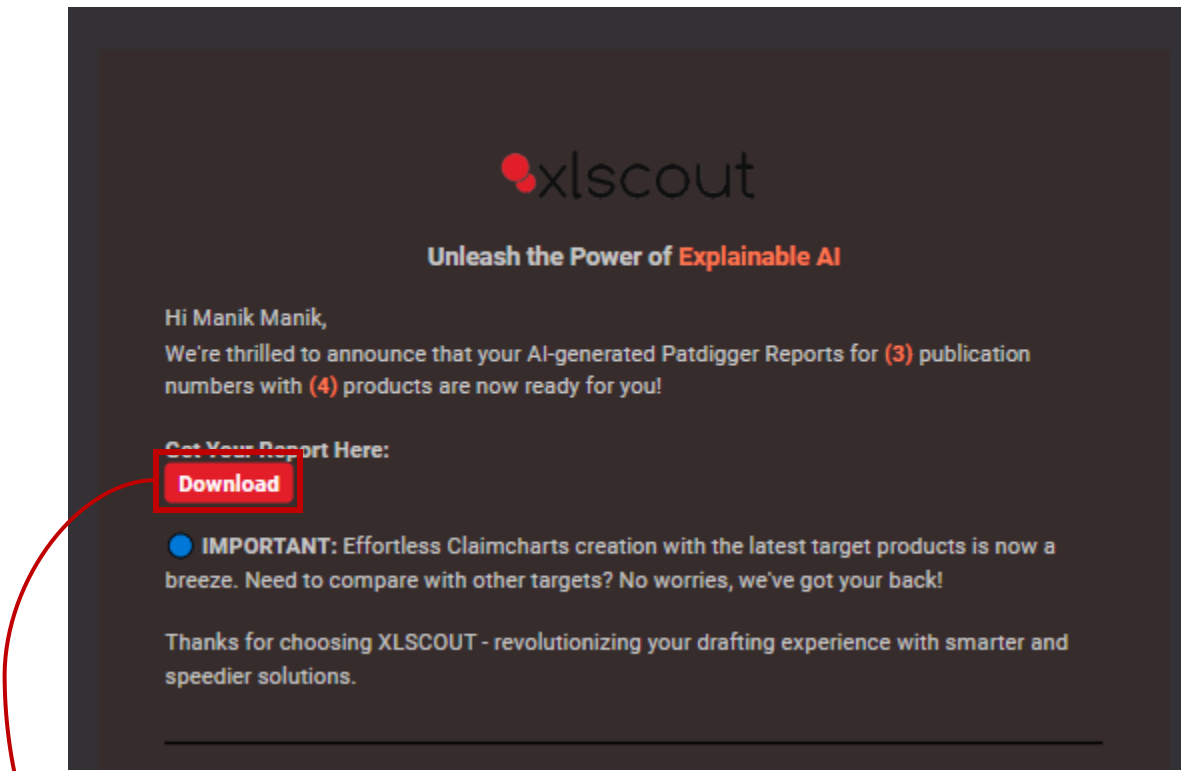


As the user submits the patent number for which the report is desired and proceeds further by clicking on "Ok" the user is redirected to the history page.

#	Last Updated Date	Search Details	Action	Notes
1	21 Mar 2025, 11:34:10 AM	<b>Publication Number Count:</b> 1 ["US-9960583-B2"]. <a href="#">Read more...</a> <b>Claimchart Report Status:</b> Patdigger Report Generated <b>Search Type:</b> Claimchart <b>Company:</b> AI-Recommended <b>Product:</b> AI-Recommended	<b>Show Report</b> Download Report Re Run	No notes added

This button will only be accessible when the Reports will be generated. User will be notified for the same via mail.

5.7 Patdigger Report Completion



Once the report for the selected patent number is generated the user gets notified via email; by clicking on this download option the user is redirected to the History Page from where the user can download the report

#	Last Updated Date	Search Details	Action	Notes
1	30 Dec 2024, 10:51:12 AM	<b>Publication Number Count:</b> 5 ["US-9208480-B2"] <a href="#">Read more...</a> <b>Claimchart Report Status:</b> Patdigger Report Generated <b>Ref No:</b> trial_case <b>Search Type:</b> Patdigger <b>Company:</b> USAA <b>Product:</b> AI-Recommended	<div>Show Report</div> <div>Download Report</div> <div>Re Run</div>	No notes added

User can download report from here.

## 6 Standigger LLM

If the User, Proceeds with the Claim Chart against Standard Option (As Discussed in Section 3.1.1) , The User is redirected to the Claim Element Finalization Window (Same, as Discussed in Section 5)

### Inspect Claim Elements and Supporting Context

Independent Claim 1

EP-3527026-B1

☒ Supporting Context

A wireless communication method where a device selects and transmits scheduling requests via specific resources based on logical channel availability, triggered by buffer status reports when uplink data becomes available, leading to uplink grant reception.

Edit Relevant Key Feature (Optional)

triggering an SR in response to uplink resources not being available for transmission of a triggered buffer status report, BSR, wherein the triggered BSR is in response to uplink data becoming available for one of the at least one first logical channel or the at least one second logical channel;

Delete

Add feature +

selecting between the first SR resource and the second SR resource based on which one of the at least one first logical channel and the at least one second logical channel triggered the BSR;

Delete

Add feature +

transmitting the SR via the selected SR resource; and

Delete

Add feature +

receiving an uplink grant for transmission of one or more transport blocks.

Delete

Add feature +

Next >

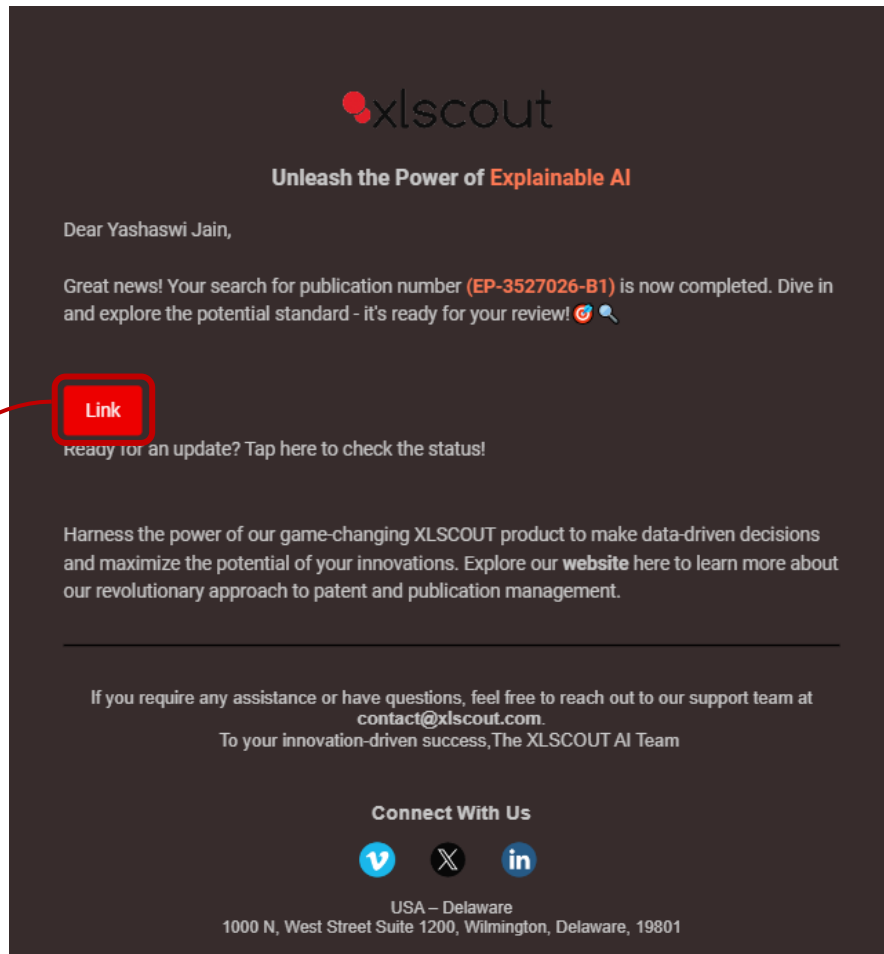
Once the Claim Elements and Supporting Context is finalized, as the User clicks on Next, the user is directed to the History Page (See Next Section 6.1)

## 6.1 Standigger LLM History Page

ClaimChart LLM				
English				
Welcome, Yashaswi Jain				
Claim Chart Reports: 927 left				
History				
#	Last Updated Date	Search Details	Action	Notes
1	27 Nov 2024, 3:56:28 PM	<b>Publication Number :</b> EP-3527026-BI <b>Claimchart Report Status :</b> Running <b>Search Type :</b> Supervised <b>Standards Identification :</b> In-progress <b>Claim :</b> A method comprising: receiving, by a wireless device (406) from a base station (401), one or more messages indicating: a first scheduling request, SR, resource, of the base station, corresponding to at least one first logical channel; and a second SR resource, of the base station, corresponding to a <a href="#">Read more...</a> <b>Support Text :</b> A method for wireless device to manage scheduling requests by selecting between two SR resources based on logical channel that triggered buffer status report, enabling efficient uplink resource allocation and transmission.	<b>Supervise Target Standards</b> Re Run Download Report	No notes added
2	27 Nov 2024, 2:45:56 PM	<b>Publication Number :</b> EP-3527026-BI <b>Claimchart Report Status :</b> Completed <b>Search Type :</b> Supervised <b>Standards Identification :</b> Completed <b>Selected Standard Names :</b> [ { SCPT : "SPP TS 38.300 V18.0.0 (2023-12)" } ] <b>Claim :</b> A method comprising: receiving, by a wireless device (406) from a base station (401), one or more messages indicating: a first scheduling request, SR, resource, of the base station, corresponding to at least one first logical channel; and a second SR resource, of the base station, corresponding to a <a href="#">Read more...</a> <b>Support Text :</b> A wireless communication method where a device selects and transmits scheduling requests via specific resources based on logical channel requirements, enabling efficient uplink data transmission management through buffer status reporting and grant allocation.	<b>Supervise Target Standards</b> Re Run Download Report	No notes added

Claim Chart LLM and Standigger LLM Share the Same History Page, the only difference being when the Standard Identification is in-progress, the Supervise Target Standards Options stays in-accessible and as soon as the Identification is Completed, the Option become Accessible. User can also download the report directly from History Page.

### 6.1.1 Potential Standards List Mail



As soon as the Potential Standards are fetched, the user is informed via mail which has a clickable Link which redirects to the Supervise Target Standard List, Beside receiving the mail the Supervise Target Standard Option in the History Page also becomes accessible.



## 6.2 Supervise Target Standard

publication-search > Back to claims

Claim Chart Reports: 5 left History

### Standigger-Supervised Generate Claim Chart

Select Key Features  
Completed

Choose Potential Standards

#### Select Standards

ClaimChart against Standard

The Submitted Standards and SSOs will be Incorporated in AI-Generated Analysis.

Selected	Standard Name	SSO	Standard Links
<input type="checkbox"/>	ETSI TS 138 321 V15.3.0	ETSI	<a href="https://www.etsi.org/deliver/etsi_ts/138300_138399/138321/t5.03.00_60/ts_138321v150300p.pdf">https://www.etsi.org/deliver/etsi_ts/138300_138399/138321/t5.03.00_60/ts_138321v150300p.pdf</a>
<input type="checkbox"/>	ETSI TS 138 300 V16.2.0	ETSI	<a href="https://www.etsi.org/deliver/etsi_ts/138300_138399/138300/t6.02.00_60/ts_138300v160200p.pdf">https://www.etsi.org/deliver/etsi_ts/138300_138399/138300/t6.02.00_60/ts_138300v160200p.pdf</a>
<input type="checkbox"/>	IEEE 802.11	IEEE	<a href="https://standards.ieee.org/standard/802_11_1999.html">https://standards.ieee.org/standard/802_11_1999.html</a>

+ Add New

#### EP-3527026-B1

Independent Claim 1

A method comprising: receiving, by a wireless device (406) from a base station (401), one or more messages indicating: a first scheduling request, SR, resource, of the base station, corresponding to at least one first logical channel; and a second SR resource, of the base station, corresponding to at least one second logical channel; triggering an SR in response to uplink resources not being available for transmission of a triggered buffer status report, BSR, wherein the triggered BSR is in response to uplink data becoming available for one of the at least one first logical channel or the at least one second logical channel; selecting between the first SR resource and the second SR resource based on which one of the at least one first logical channel and the at least one second logical channel triggered the BSR; transmitting the SR via the selected SR resource; and receiving an uplink grant for transmission of one or more transport blocks.

Generate Claim Chart

The System Fetches the Relevant Standards along with Related Standard Links, the user also has the option to add weblinks or pdf links of their choice, by default the link suggested by the system is selected.

User can also add standards of their choice. If the desired standard is not listed by the system.

Once, the Standards to proceed with are finalized, they Generate Claim Chart option becomes accessible.

Add a Link or Upload a pdf

ETSI TS 138 300 V16.2.0

Add Link

Upload pdf

Enter Link URL

Please ensure that the provided links are publicly accessible and do not mandate any sign-in or login credentials for access.

Cancel

OK

User has the option to toggle between the choice to upload a Weblink or pdf link.

### 6.2.1 Standigger LLM Report Generation

## Generate Claim Chart

Select your preference :

- ☒ **Separate Charts:** Create separate charts for each selected standard.
- ☐ **Combined Chart:** Create a single chart using all selected standards.

Cancel

Generate

This option empowers users to customize their charting approach. By selecting the **Separate Chart** option, each chosen standard is meticulously mapped to the claim elements individually, providing a focused and detailed analysis.

Alternatively, choosing the **Combined Chart** option consolidates all selected standards into a single comprehensive chart, offering a holistic comparison against the claim elements. This flexibility ensures that users can tailor the output to their specific needs and preferences.

## 7 Final Report ClaimChart LLM



## 7.1 Report Summary

### Report Summary

#### Potential Targets of US-20160350581-A1

##### Most Relevant Companies

Apple
Samsung
Google
Sony
Microsoft
Amazon
LG
Fitbit
Garmin
Ouraring
Toshiba
Facebook
Fossil Group
Xiaomi
Huawei

##### Most Relevant New Entrants

Motiv
Nimb
Oura
Circular
Ultrahuman

All The Potential Targets are enlisted; these are divided into 2 sections One for Big-Companies and other for Mid-Size Companies

#### Key Feature Mapping Product Data:

CE No.	Claim Element	Epson Epson SureColor P-series printers	Canon Canon imagePROGRAF PRO series	Canon Inc. Canon UVgel Roll-to-Roll printers	EFI EFI VUTEK printers with LED curing technology
1	An inkjet recording method comprising:	✓	✓	✓	I
2	.applying an undercoating liquid onto a recording medium, the undercoating liquid containing a surfactant in an amount of at least 0.001 % by mass with respect to total solution,	I		I	I
3	the surfactant imparting a surface tension of 25 mN/m or less when the surfactant is dissolved in 1,6-hexanediol diacrylate at the critical micelle concentration,	I	✓	I	✓
4	wherein the surface tension is measured according to the Wilhelmy method at a liquid temperature of 20 °C and 60 % relative humidity using a surface tensiometer and	I	I	✓	I
5	wherein the critical micelle concentration is that concentration of surfactant where the surface	I	I	I	I

Key Feature Mapping Product Data Matrix, helps user get a clear view of mapping of claim elements with each product.

## 7.2 Input Patent Details

**Publication No.:** US-9188452-B2 | **Application No.:** US-201414182345-A | **Priority No.:** US-201161566121-P

**Title:** System and method for improved routing that combines real-time and likelihood information

**Publication Date:** 20151117 | **Application Date:** 20140218 | **Priority Date:** 20111202

**Assignee:** CORTLAND CAPITAL MARKET SERVICES LLC AS ADMINISTRATIVE AGENT

**Inventor(s):** FUCHS GIL

**Abstract:**

A system and method for improved routing that combines real-time and likelihood information. In accordance with an embodiment, the system comprises a digital map/map information; a likelihood routing information; a route processor; wherein, when a request is received from a user/driver, or from another system, to receive a routing information, the system receives real-time information from a traffic-monitoring device or service providing real-time information; wherein the route processor adjusts the received real-time information based on the system's likelihood routing information; and wherein the routing information based on the combination of real-time and likelihood information can then be provided to the user/driver or other system in response to the original request.

**Independent Claims/Key Features:**

A system for determining a fastest route for a vehicle using historical and real time traffic flow information comprising:

a digital map and map information

a historical traffic flow information

a route processor

a user interface configured to accept user input comprising:

a request to calculate the fastest route

a present vehicle location or a user selected location to be used as a starting location of the route

one or more user selected destination locations

a present time or a user selected time for when the vehicle will start to travel the route

wherein upon the route processor receiving the route request from the user interface the route processor further receives real time traffic flow information along potential routes and real time conditions that affect traffic flow along the potential routes

wherein the route processor determines a drive time along the potential routes based on the user input and the received real time traffic flow and conditions information along the potential routes adjusted by the historical traffic flow information for time intervals when the vehicle is anticipated to traverse points along the potential routes

wherein the route processor selects from the potential routes a route with the fastest travel time

The Report consists of Input Patent Details describing about Publication, Application, Priority Date and Number along with Title, Assignee, Inventor, Abstract, Independent Claim broken into Key Features.

## 7.3 Evidence of Use Chart

### 1. Product Name: Skydio 2 Company Name: Skydio

Sno	Claim Elements	Product Specification	Explanation	Relevant Paragraphs (RPs)
1	A computerized method for controlling an unmanned vehicle, comprising:	Skydio 2 is an intelligent drone controlled via a smartphone app	<p>Structured Text Perspective:</p> <p>The claim element describes a computerized method for controlling an unmanned vehicle, which directly corresponds to the Skydio 2's operation as an intelligent drone managed through a smartphone app. This method is substantiated by the context where the Skydio 2 offers three controller options: the smartphone app for autonomous flight, the Skydio Beacon, and a joystick controller, with the smartphone app being the primary control mechanism. This indicates that the Skydio 2 utilizes a computerized method, via the app, to facilitate control over the drone, aligning with the claim element's focus on a computerized control method for unmanned vehicles [RP-1].</p> <p>The context further elaborates on the Skydio Beacon as a control option, which, through its integrated GPS sensors, enhances the drone's ability to track subjects more reliably. This capability is an extension of the computerized method for controlling the drone, as it leverages GPS and GLONASS satellites for tracking, thereby providing a more sophisticated and reliable control mechanism. This advanced tracking feature, enabled by computerized systems, supports the claim element by showcasing how technology is utilized to improve the control and functionality of the unmanned vehicle [RP-1].</p> <p>Additionally, the mention of onboard AI in the context highlights the integration of artificial intelligence to predict environmental changes and enhance obstacle avoidance. This aspect of the Skydio 2's technology illustrates a sophisticated computerized method for controlling the drone, where AI is used to process environmental data and make real-time decisions, further supporting the claim element. The onboard AI not only facilitates autonomous flight but also improves the safety and reliability of the drone's operation, demonstrating the practical application of computerized methods in controlling unmanned vehicles [RP-3].</p>	<p>reference: [1]</p> <p>RP-1: critical of the video quality, despite the 4k resolution, realistically, it is good enough for anything short of professional quality cinematography, controllers ; there are three controller options for the skydio 2 : the smartphone app for autonomous flight, the skydio beacon, and the joystick controller, with the smartphone app being the default control mechanism, skydio recommends downloading the app to verify it works before purchasing the drone, however, it pairs with the drone easier than any other smartphone controllable drone, kudos to skydio there, the skydio beacon is the next remote upgrade in the skydio 2 's kits, it is a small handheld tv remote - looking device with a monochrome display and a few buttons, the integrated gps sensors allow for the drone to track you more reliably than with the camera sensors alone, a feature seen first in the now - defunct airdog drones, the beacon uses gps and glonass satellites for tracking, giving a reliable signal for the skydio 2 to follow, in ideal settings, it has a range of 1.5 km for remote control operations, the joystick controller is your basic drone remote ; two joysticks and a smartphone</p> <p>reference: [2]</p> <p>RP-2: fly the skydio 2? there are 3 ways to fly the skydio 2 ; smartphone using skydio app ( android and ios ) remote controller with smartphone connected skydio beacon you can also launch and land the skydio 2 from the palm of your hand, what is the skydio beacon? the skydio 2 beacon allows you to fly, track subjects and control the quadcopter very easily with one hand, it has a small display so you can view the flight parameters such as gps, battery levels, tracking intelligent modes and much more, is the skydio 2 easy to fly? the skydio 2 is so very easy to fly with no real experience required, when flying, it is always best to be in a clear open space away from other people, cars, buildings, aeriels and masts etc. also, make sure there is nothing obstructing the propellers, it is well recommended to read the skydio 2</p>

Relevant Paragraph (RP) Reference Numbering after each paragraph of AI-generated explanation. It includes RP number from the identified references next to the explanation.

For each Product listed in Report Summary, a Similar EOU Chart is presented which has Claim Elements/ Key Features mapped against Product Specification followed by an Explanation.

NOTE: Explanation is generated by the system and the source (see next section) is mentioned for validation.

### 7.3.1 Sources for Validation

#### Sources:

- [1] [https://www.google.com/maps/d/viewer?mid=1IM8Iv\\_DTPGRlmJoY-wVwW-k9tJs](https://www.google.com/maps/d/viewer?mid=1IM8Iv_DTPGRlmJoY-wVwW-k9tJs)
- [2] <https://mapsplatform.google.com/maps-products/routes/>
- [3] <https://developers.google.com/maps/>
- [4] <https://maps.google.com/>
- [5] <https://outscraper.com/google-maps-traffic-extractor/>

Along with Each EOU Chart, Source Hyperlinks are presented, enabling the User to Validate the explanation

## Order Summary

Report Generated on: Tue, May 7, 2024

Type of Order: ClaimchartLLM

Report Generated by: Sameer Varshney

Reference Number: Reference\_Check

The Reference Number entered by the User during Product Selection is mentioned at the end of the report

Note: User also has the Option to Enter Boolean Queries and then Fetch the Input Patent Number, this can be done utilizing our **ADVANCED SEARCH** Option

## 8 Final Report Standigger LLM





9. Report Summary

Report Summary (Beta)

Standard Setting Organization (SSO) Related to Patent:

Standards Name And Number And Its Versions	Standard Setting Organisation (SSO).	Mapped Claim Elements out of 8
ETSI TS 138 321 V15.3.0	ETSI	1, 2, 3, 4, 5, 6, 7, and 8

This Summary showcases all the Standards which were selected by the user for EOU Mapping and shows the Mapped Element Summary

Please Note: The EOU Chart is prepared similar to Claim Chart LLM EOU Charting (As shown in section 7.2-7.3.1) the only difference being in Standigger LLM, the mapping is done taking the Chosen link (as shown in Section 6.2) as reference.

Standard Setting Organisation (SSO): ETSI				
SNo	Claim Elements	Standard Specification	Explanation	Relevant Excerpts
1	A method comprising: receiving, by a wireless device (406) from a base station (401), one or more messages indicating:	ETSITS 138 321 V17.1.0 defines the NR MAC protocol which includes procedures for the wireless device (UE) receiving messages from a base station (gNB).	Structured Text Perspective:  [RP-1] The method involves a wireless device receiving messages from a base station, which is directly supported by the context where it describes downlink assignments received on the PDCCH indicating a transmission on a DL-SCH for a particular MAC entity and providing the relevant HARQ information. This process is essential for the wireless device to understand there is data intended for it, which it needs to decode and act upon. The mention of different RNTI types and the specific conditions under which the MAC entity should consider the NDI to have been toggled aligns with the process of receiving and interpreting messages from a base station, showcasing a direct application of the NR MAC protocol procedures as outlined in the standard document	reference : [1]  RP 1. 5.3 DL-SCH data transfer5.3.1 DL Assignment reception  Downlink assignments received on the PDCCH both indicate that there is a transmission on a DL-SCH for a particular MAC entity and provide the relevant HARQ information. When the MAC entity has a C-RNTI, Temporary C-RNTI, or CS-RNTI, the MAC entity shall for each PDCCH occasion during which it monitors PDCCH and for each Serving Cell: 1> if a downlink assignment for this PDCCH occasion and this Serving Cell has been

In case of RPs, as discussed in Section 7.3, For Standigger LLM, the System not only cites the text but also the section of the Standard from which the reference has been taken

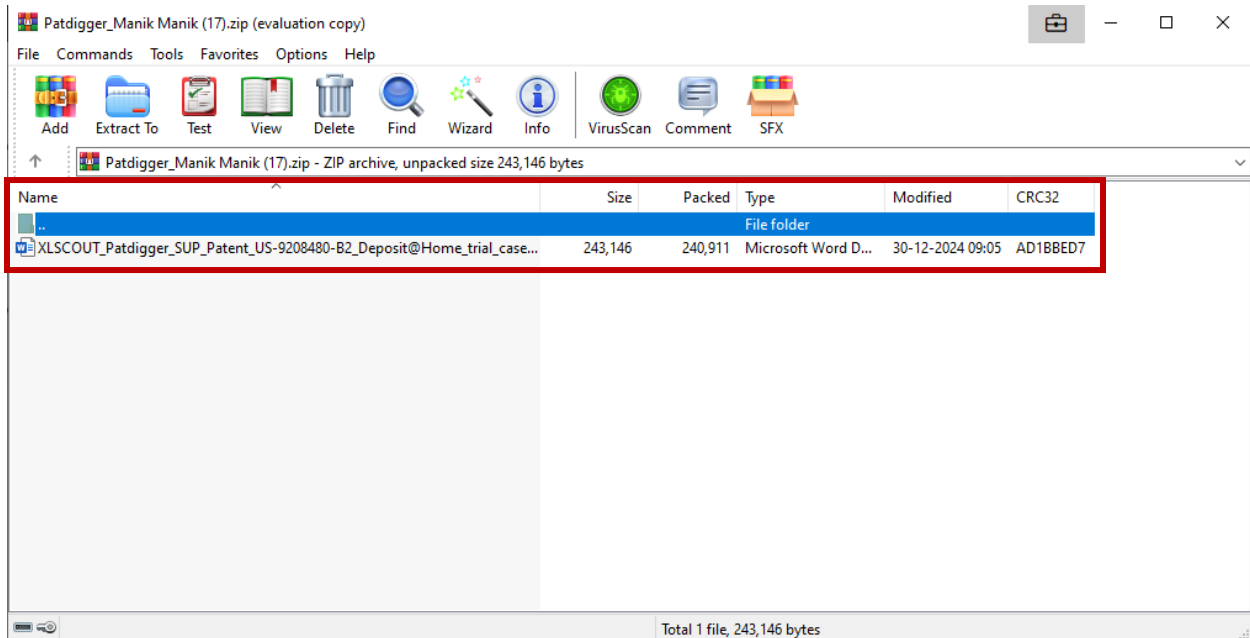
## 10. Patdigger Reports

### 10.1 Patdigger Ranking Report (Excel)

Case Details			Xlscout Analysis					
Rank	Patent Numbers	Title	Claim Number	Company	Product	Claim Element	Mapped Summar	Weighted Averag
1	US-9208480-B2	Mobile deposit system for digital image and transaction management	1	USAA	Deposit@Home	9	1, 2, 3, 4, 5, 6, 7, 8 and 9	1
1	US-9208480-B2	Mobile deposit system for digital image and transaction management	1	USAA	USAA Mobile App	9	1, 2, 3, 4, 5, 6, 7, 8 and 9	0.931372549
1	US-9208480-B2	Mobile deposit system for digital image and transaction management	1	USAA	Deposit@Mobile	9	1, 2, 3, 4, 5, 6, 7, 8 and 9	0.901960784
2	US-8358827-B2	Waveform generation and use based on print characteristics for MICR data of paper documents	1	USAA	USAA Deposit@Mobile	4	1, 2, 3, 4 and 5	0.575
2	US-8358827-B2	Waveform generation and use based on print characteristics for MICR data of paper documents	1	USAA	USAA Document Scanner	4	1, 2 and 4	0.4
2	US-8358827-B2	Waveform generation and use based on print characteristics for MICR data of paper documents	1	USAA	USAA Mobile Check Deposit	4	1, 2, 3 and 4	0.575
3	US-8180137-B2	Comparison of optical and magnetic character data for identification of character defects	1	USAA	USAA Deposit@Mobile	8	1, 2, 3, 4, 5, 6, 7 and 8	0.386363636
3	US-8180137-B2	Comparison of optical and magnetic character data for identification of character defects	1	USAA	USAA Digital Check Scanner	8	1, 2, 3, 4, 5, 6, 7 and 8	0.647727273
3	US-8180137-B2	Comparison of optical and magnetic character data for identification of character defects	1	USAA	USAA Remote Deposit Capture	8	1, 2, 3, 4, 5, 6, 7 and 8	0.375
4	US-8010454-B2	System and method for preventing fraud in check orders	1	USAA	HOVER	11	1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11	0.491803279
4	US-8010454-B2	System and method for preventing fraud in check orders	1	USAA	SafePilot	11	5, 6, 7 and 11	0.172131148
4	US-8010454-B2	System and method for preventing fraud in check orders	1	USAA	TEAC Crash Detection	11	1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11	0.524590164
5	US-8328080-B2	Document production using image transfer to mated substrate	1	USAA	HOVER	6	1, 2 and 5	0.279411765
5	US-8328080-B2	Document production using image transfer to mated substrate	1	USAA	Deposit@Mobile	6	1 and 5	0.191176471
5	US-8328080-B2	Document production using image transfer to mated substrate	1	USAA	SafePilot	6	None	0

A	B	C	D
Patent Numbers	Weighted Average	Rank	Claim Number
US-9208480-B2	0.944444444	1	1
US-8358827-B2	0.516666667	2	1
US-8180137-B2	0.46969697	3	1
US-8010454-B2	0.396174863	4	1
US-8328080-B2	0.156862745	5	1

## 10.2 Patdigger Claim Chart Reports (ZIP file)



The user will receive two comprehensive reports to streamline their analysis:

1. **Email Report:** An Excel sheet delivered via email, providing an overview analysis of the claim charts. This includes a ranked arrangement of the patent list, ensuring quick access to prioritized insights.
2. **Downloadable Report:** A zip folder accessible from the **History Page** under the "Download Report" option. This folder contains detailed Claim Chart document reports for an in-depth review.

## 11. Advanced Search

The screenshot displays the ClaimChart LLM Advanced Search interface. At the top, there is a navigation bar with the ClaimChart LLM logo, a language selector (English), and a user profile (Welcome, Kanika Gupta). Below the navigation bar, the breadcrumb path is 'advanced-search'. The main search area features a search bar with 'Advanced Search' highlighted. To the right of the search bar are links for 'Search Guide' and a settings icon. Below the search bar, there is a section for 'Authorities / Collections'. The search form includes several fields: 'Title' with the value '(portable NEAR2 air NEAR2 conditioner)', 'Claims' with the value '(battery AND display)', 'Publication Date' with the value 'mm/dd/yyyy', and 'Patent Type' with a dropdown menu. There are also 'AND' buttons between the fields. To the right of the search form are two 'Corpus' buttons with trash icons. Below the search form is a large text area containing the search query: '((tt:((portable NEAR2 air NEAR2 conditioner))) AND clm:((battery AND display)))'. At the bottom right of the text area, it says '22 Patents Found'. At the bottom of the interface, there is an 'Edit Search' button, a 'Clear' button, and a 'Search' button.

The Advanced Search section has input **search** fields, **search assistance** features and **search settings** options defined below.

### 9.1 Authorities/Collections

User can filter results by following options:

1. Simple Legal Status for selecting Active, Dead or Pending Patent.
2. Type of Patent
  - Application
  - Patent
  - Utility
  - Design
3. All Authorities displaying different regions

Advanced Search

US9Publication Search

Authorities / Collections

Full Textmobile phone

Advanced Search

Authorities / Collections

Full Text

ANDAll Assignee

ANDPublication D

Edit Search

Select Authorities

Simple Legal Status:

☒ Active☒ Dead☒ Pending

Type:

☒ Application☒ Patent☒ Utility Models☒ Design

☒ All Authorities (106 / 106)

☒ IP 5

☒ China☒ Japan☒ South Korea☒ United States

☒ EPO

☒ Africa

☒ Algeria☒ Egypt☒ Kenya☒ Morocco

☒ Malawi☒ Tunisia☒ South Africa☒ Zambia

☒ Zimbabwe

## 9.1 Text

Publication Search   Advanced Search

Authorities / Collections   Search Guide   Settings

Full Text   Lithium battery OR lithium AND battery OR "lithium battery"

AND   Publication Country   US OR CN

AND   Publication Date   mm/dd/yyyy   TO   mm/dd/yyyy

AND   Patent Type

Title, Abstracts or Claims

Text

Names

Numbers

Dates

Classifications

Country

Citations

Legal Status

Patent Type

Litigation

SEP

Problems(US Only)

Title

Abstract

Claims

Description

Full Text

Title or Abstract

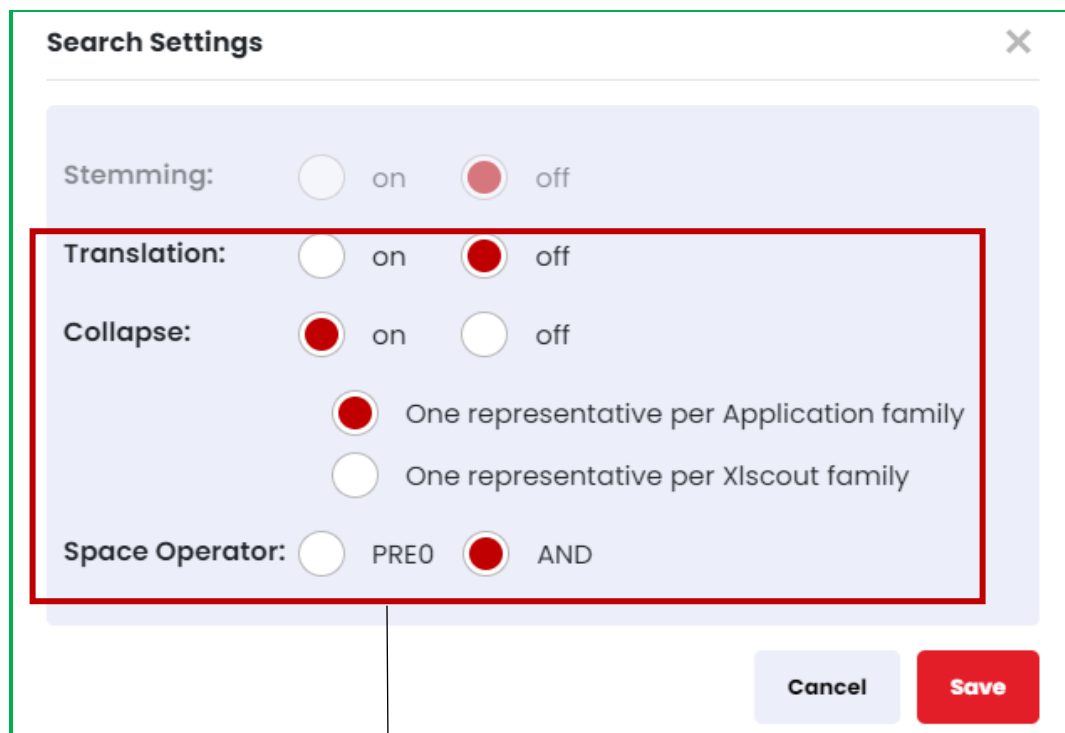
Title, Abstracts or Claims

Text		
S.No.	Search Fields	Definitions
1.	Title	Searches within the title of the patent publication.
2.	Abstract	Searches within the abstract of the patent publication
3.	Claim	Searches within the claims (i.e Independent Claim) of the patent publication
4.	Description	Searches within the description of the patent publication.
5.	Full Text	Searches in the full text of the patent publication.
6.	Title or Abstract	Searches either within the Title or within the Abstract of the patent publication.
7.	Title, Abstract or Claim	Searches either within the Title or Abstract or Claim of the patent publication

### 9.1.1 Search Setting



The screenshot shows the top of a search interface. At the top left, there are two buttons: "Advanced Search" (red) and "US99 Publication Search" (white). Below these, on the left, is a button "Authorities / Collections" with a globe icon. On the right, there is a "Search Guide" button with a question mark icon and a settings gear icon circled in green. Below the "Search Guide" button is a "Corpus" button with a document icon. In the center, there is a search bar with a dropdown menu set to "Full Text" and a search query: "Lithium battery OR lithium AND battery OR 'lithium battery'".



The "Search Settings" dialog box is shown. It has a title bar with a close button (X). The settings are as follows:

- Stemming: ☐ on ☒ off
- Translation: ☐ on ☒ off
- Collapse: ☒ on ☐ off
  - ☒ One representative per Application family
  - ☐ One representative per Xlscout family
- Space Operator: ☐ PREO ☒ AND

At the bottom right, there are "Cancel" and "Save" buttons.

Change the Search Setting to translate the patents or collapse the patents based on Application Family or Xlscout Family. Also, Change the behavior of space between two keywords by selecting the default functioning of space from AND (Logical Operator) to PREO (Proximity Operator).

## 9.1.2 Word Corpus

Search any keyword in the search bar and click on analyze button – It will provide you relevant keywords which you can add in the search strings. Click on submit button to include these keywords in the search strings

Turn On the slider to activate chemical synonyms.

Corpus Button to add similar keywords.

The image shows the 'Word Corpus' interface. At the top, there are search options: 'Publication Search' and 'Advanced Search'. Below this is a section for 'Authorities / Collections' with a 'Search Guide' button. The main search area has a 'Full Text' dropdown, a search bar containing 'Lithium battery OR lithium AND battery OR "lithium battery"', and several filters: 'Publication Country' (US OR CN), 'Publication Date' (mm/dd/yyyy), and 'Patent Type'. A 'Corpus' button is highlighted with a blue box. Below the search area, there are three callout boxes. The first box points to the search bar and says: 'Search any keyword in the search bar and click on analyze button – It will provide you relevant keywords which you can add in the search strings. Click on submit button to include these keywords in the search strings'. The second box points to the 'Include Chemical Synonyms' toggle and says: 'Turn On the slider to activate chemical synonyms.'. The third box points to the 'Corpus' button and says: 'Corpus Button to add similar keywords.'. The 'Word Corpus' modal is open, showing a search bar with 'mobile' and an 'Analyze' button. Below the search bar is a 'Keyword suggestions' section with a grid of keyword buttons. Some buttons are red (mobile, phone\*, handheld\*, smartphone\*, cellphone\*) and others are white (pda\*, device\*, tablet\*, laptop\*, user\*, wireless\*, cellular\*, computer\*, handset\*, portable\*, equipment\*, client\*, cell\*, terminal\*, customer\*, buyer\*, consumer\*, tab\*, payor\*, apparatus\*, ue\*, purchaser\*, payer\*, pc\*). At the bottom of the modal are 'Cancel', 'Clear', and 'Submit' buttons.

Word Corpus ☐ off Include Chemical Synonyms

mobile Analyze

Keyword suggestions

mobile phone\* pda\* device\* tablet\* laptop\* user\* handheld\*

wireless\* cellular\* computer\* smartphone\* handset\* portable\*

equipment\* client\* cell\* terminal\* customer\* buyer\* consumer\*

cellphone\* tab\* payor\* apparatus\* ue\* purchaser\* payer\* pc\*

Cancel Clear Submit

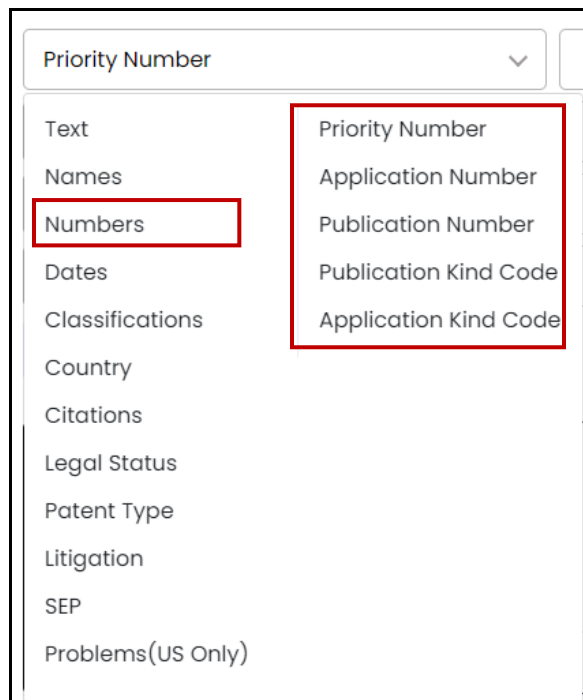


### 9.1.3 Names

The screenshot shows a search interface. At the top, there is a dropdown menu currently set to 'All Assignee' and a button labeled 'Intel OR C'. Below this is a sidebar with a list of search categories: Text, Names, Numbers, Dates, Classifications, Country, Citations, Legal Status, Patent Type, Litigation, SEP, and Problems(US Only). The 'Names' category is highlighted with a red box. To the right of the sidebar, a dropdown menu is open, displaying the following options: All Assignee, Original Assignee, Original Assignee Standardized, Current Assignee, Current Assignee Standardized, Inventor, and Assignee Cluster. This dropdown menu is also highlighted with a red box.

Names		
S.No.	Search Fields	Definitions
1.	All Assignee	Searches all the assignee of the patent publication (i.e. original, intermediate or current assignee)
2.	Original Assignee	Searches in the original assignee of the patent publications.
3.	Original Assignee Standardized	Searches in the standardized original assignee names of the patent publications. Note: This field contains standardized names of original assignees
4.	Current Assignee	Searches in the current assignee of the patent publications.
5.	Current Assignee Standardized	Searches in the standardized current assignee names of the patent publications. Note: This field contains standardized names of current assignees
6.	Inventor	Searches in the inventor names of the patent publications.

### 9.1.4 Numbers



The image shows a search filter interface. At the top, there is a dropdown menu labeled 'Priority Number' with a downward arrow. Below this, a list of search categories is displayed: Text, Names, Numbers, Dates, Classifications, Country, Citations, Legal Status, Patent Type, Litigation, SEP, and Problems(US Only). The 'Numbers' category is highlighted with a red rectangular box. To the right of the 'Numbers' category, a sub-menu is expanded, also enclosed in a red rectangular box. This sub-menu contains five options: Priority Number, Application Number, Publication Number, Publication Kind Code, and Application Kind Code.

Number		
S.No.	Search Fields	Definitions
1.	Priority Number	<p>Search in all the priority numbers of the patent publications For Example – JP2012056895</p> <p><b>Note</b> - Do not enter special characters such as a space, comma or forward slash. The country code is required.</p>
2.	Application Number	<p>Search in the application numbers of the patent publications</p> <p><b>For Example</b> - CN201380013230 or US12004657A</p> <p><b>Note</b> - Do not enter special characters such as a space, comma or forward slash. The country code is required.</p>
3.	Publication Number	<p>Search by entering patent publication numbers <b>Example:</b> US20190272373A1, US20190272373</p>
4.	Publication Kind Code	<p>Search by kind code of the patent publication numbers Eg. B, B1, B2</p>
5.	Application Kind Code	<p>Search by kind code of the application numbers Eg. A, A1, A2</p>

### 9.1.5 Dates

Earliest priority date

Text

Names

Numbers

**Dates**

Classifications

Country

Citations

Legal Status

Patent Type

Litigation

SEP

Problems(US Only)

Earliest priority date

Application/Filing Date

Publication Date

Date Format – MM/DD/YYYY for all dates i.e

- Earliest Priority Date
- Application/Filing Date
- Publication Date

Dates		
S.No.	Search Fields	Definitions
1.	Earliest Priority Date	The earliest filing date in a series of patent applications is referred to as the priority date. If the first patent application for a given invention was a provisional application, the Provisional's filing date is your priority date.
2.	Application/Filing Date	The date when you filed the patent application is referred as Application/Filing Date.
3.	Publication Date	The date on which the patent application is published (i.e. the information is available to public.

### 9.1.6 Classification

Classification IPC/CPC

Text

Names

Numbers

Dates

Classifications

Country

Citations

Legal Status

Patent Type

Litigation

SEP

Problems(US Only)

Classification IPC/CPC

Classification CPC

Classification IPC

Classification UPC

Classification F Term

The given examples are the Class format for different classification-based search.

**For Example:**

- A61B or A61B2/01 (**IPC/CPC**)
- 532 or 532/201 or 530/388.2 (**US class**)
- 2C088AA06 or 2C088 (**F-Term**)

### 9.1.7 Country

Priority Country

Text

Names

Numbers

Dates

Classifications

Country

Citations

Legal Status

Patent Type

Litigation

SEP

Problems(US Only)

Priority Country

Application Country

Publication Country

Applicant Country

Inventor Country

**Country Code** - US, CN, CA, EP, JP, AU, etc.

You can also perform a country-based search alone in your search.

Country		
S.No.	Search Fields	Definitions
1.	Priority Country	Search by country code of priority country of the patent publications
2.	Application Country	Search by country code of application country of the patent publications
3.	Publication Country	Search by country code of the patent publications
4.	Applicant Country	Search by country code of applicant country of the patent publications
5.	Inventor Country	Search by country code of inventor country of the patent publications

### 9.1.8 Citations

Cited Patents

Text

Names

Numbers

Dates

Classifications

Country

Citations

Legal Status

Patent Type

Litigation

SEP

Problems(US Only)

Cited Patents

Citing Patents

Citation		
S.No.	Search Fields	Definitions
1.	Cited Patents	Searches backward citations of the input patent
2.	Citing Patents	Searches forward citations of the input patent

### 9.1.9 Legal Status

The image shows a software interface for patent search. On the left, a dropdown menu titled 'Simple Legal Status' is open, displaying a list of search fields: Text, Names, Numbers, Dates, Classifications, Country, Citations, Legal Status, Patent Type, Litigation, SEP, and Problems(US Only). The 'Legal Status' field is highlighted with a red box. To the right of the dropdown, a red box contains the text 'Simple Legal Status' and 'Legal State'. An arrow points from this box to a search field below. To the right of the arrow, a text box says 'Select on any legal state field'. Below the search field, there are three radio buttons labeled 'ACTIVE', 'DEAD', and 'PENDING'.

Legal Status		
S.No.	Search Fields	Definitions
1.	Simple Legal Status	Search can be restricted to a specific legal state of the patent publication. Values include: I Alive II Dead III Pending
2.	Legal State	Search can be restricted by the current legal status of patent publications resulting in the legal state of the publication. Values include: I Examination II Published

		III Granted IV Restoration V P-Revoked VI Expired VII Withdrawn VIII Rejected IX Non-Payment X Revoked XI Double XII Ceased XIII Lapsed XIV Abandoned XV Discontinuation
--	--	--



### 9.1.10 Patent Type

Patent Type

Text

Names

Numbers

Dates

Classifications

Country

Citations

Legal Status

Patent Type

Litigation

SEP

Problems(US Only)

### 9.1.11 Litigation

The image shows a software interface with a dropdown menu titled 'Litigated' and a checkbox labeled 'Litigation'.

The 'Litigated' dropdown menu is open, showing a list of options: Text, Names, Numbers, Dates, Classifications, Country, Citations, Legal Status, Patent Type, Litigation, SEP, and Problems(US Only). The 'Litigation' option is highlighted with a red box.

Below the dropdown menu, there is a checkbox labeled 'Litigation'. The checkbox is currently unchecked. A red box highlights the 'Litigation' option in the dropdown menu, and an arrow points from this box to the 'Litigation' checkbox.

To the right of the dropdown menu, there is a text box that says: "Select on any litigated state field".

Below the checkbox, there is a row of two radio buttons labeled 'YES' and 'NO'. The 'YES' radio button is selected. There is an 'X' icon in the bottom right corner of this row.

### 9.1.12 SEP

The image shows a software interface with a dropdown menu. The main menu is titled 'SEP' and contains the following items: Text, Names, Numbers, Dates, Classifications, Country, Citations, Legal Status, Patent Type, Litigation, SEP (highlighted with a red box), and Problems(US Only). A secondary menu is open for the 'SEP' item, listing: SEP, Standard Doc Number, Projects, Declarant, Type, and Declaration Date. A red box highlights this secondary menu. An arrow points from the 'SEP' item in the secondary menu to a callout box containing the text 'Select on any SEP state field'.

SEP

Text

Names

Numbers

Dates

Classifications

Country

Citations

Legal Status

Patent Type

Litigation

SEP

Problems(US Only)

SEP

Standard Doc Number

Projects

Declarant

Type

Declaration Date

Select on any SEP state field

### 9.1.13 Problems (US only)

Problem Statement

Text

Names

Numbers

Dates

Classifications

Country

Citations

Legal Status

Patent Type

Litigation

SEP

Problems(US Only)

Problem Statement

Enter the Problem Statement or  
terms to search

## 9.3 Search Guide

Authorities / Collections

Full Text

Lithium battery OR lithium AND battery OR "lithium battery"

AND

All Assignee

Intel OR Google

AND

Classification IPC/CPC

A61B

+ Add field

Search Guide

Corpus

Corporate tree

IPC/CPC helper

### Search guide - Definition and syntax of Operators

Logical Operators			
S.No.	Operators	Function	Example
1.	AND	Finds documents that contain/match all the search terms entered.	Touch AND Screen
2.	OR	Finds documents that contain any one of the search terms entered.	Vehicle OR Car
3.	NOT	Finds documents which contain the first search term but do not contain the second/following search term.	Vehicle NOT Car
Proximity Operators			
S.No.	Operators	Function	Example
1.	PREn	For searching words in proximity in the ordered manner. Finds documents that contain the search terms within a proximity of `n` words to each other in the order specified.	Title:(Agriculture PRE1 machine) - will find results in which the word agriculture is always preceding the word machine.
2.	NEARn	For searching words in proximity in unordered manner. Finds documents that contain the search terms within a proximity of `n` words to each other in any order (right or left)	Title: (Agriculture NEAR3 machine)
3.	NEARs	For finding documents containing search terms in the same sentence.	Clm: (collision NEARs detection)
4.	NEARp	For finding documents containing search terms in the same paragraph.	Text: (composition NEARp ethanol)
Wildcard Operators			
S.No.	Operators	Function	Example
1.	?	Replaces only one character and can be used in the middle and at the end of a word.	Title: car? - Add title: car or car? Title: twist?? - Add twist or twist? or twist??

		<p>It will find only those results in which the original search term has a wildcard replacement. In order to cover both, the original search term and the terms with wildcard replacements, please add the original search term too.</p> <p><b>NOTE:</b> It cannot be used at the beginning of a search term.</p> <p>Does not support use with quotations.</p>	
2.	*	<p>Replaces unlimited characters in the search term entered.</p> <p><b>NOTE:</b> It cannot be used at the beginning or in the middle of a search term.</p> <p>Does not support use with quotations.</p>	Title: formula*
<b>Other operators</b>			
<b>S.No.</b>	<b>Operators</b>	<b>Function</b>	<b>Example</b>
1.	" "	For searching the terms in the exact form/manner as specified.	"3d-printing"
2.	()	For defining the order in which the search terms should be logically combined in the search.	((autonomous or self-driving or driverless) NEAR4 (car or vehicle)) AND sensor

### 9.3.1 View search string

The screenshot shows a search interface with the following elements:

- Top navigation: "Authorities / Collections" and "Search Guide" with a settings icon.
- Search bar: "Full Text" dropdown and "mobile phone" input.
- Buttons: "+ Add field", "Corpus", "Edit Search", "Clear", and "Search".
- Search string display: A large text area showing the query `(text:(mobile phone))`.
- Result count: A red badge in the top right corner of the search string area indicating "5,149,662 Patents Found".

A command window where the user can view the search string in real-time

Click to edit the search string in the command window

Clear all the search inputs or the complete search string

## 9.4 Advanced Search Results

ClaimChart LLM

English Welcome Kanika Gupta

> advanced-search > result Claim Chart Reports: 8 left

Query: ((pa:(mobile phones)) AND xipat-pat-type("PATENT"))

Result of search: 2,153 Total Publications

Filters: Delta Assignees Years Authority/Country Patent Type Inventors Classification Legal Status Litigation SEP Taxonomy

	Publication Num	Title	Publication Date	Application Date	Standardized Current Assignee
1	US-5752201-A <a href="#">ClaimChart LLM</a>	Mobile terminal having power saving mode that monitors specified numbers of filler messages <a href="#">more</a>	12 May 1998	09 Feb 1996	NOKIA MOBILE PHONES
2	US-5742488-A <a href="#">ClaimChart LLM</a>	Shielding device and method of mounting	21 Apr 1998	06 Sep 1995	NOKIA MOBILE PHONES
3	US-6690679-B <a href="#">ClaimChart LLM</a>	Method and system for bearer management in a third generation mobile telecommunications system <a href="#">more</a>	10 Feb 2004	15 Jun 1999	NOKIA MOBILE PHONES
4	US-6180895-B <a href="#">ClaimChart LLM</a>	Keypad	30 Jan 2001	17 Dec 1999	NOKIA MOBILE PHONES
5	US-6487399-B <a href="#">ClaimChart LLM</a>	Mobile terminal employing 30kHz/200kHz carrier identification	26 Nov 2002	26 May 1999	NOKIA MOBILE PHONES

Search results -  
Number of  
publications count  
(2,153 Hits)

Click on ClaimChart  
LLM button to proceed  
further.

Click here to edit  
the search query.

Note: On Clicking on “Claim Chart LLM”, the further steps are exactly same as the Publication Search, Refer Section 4 for more information