

3. ClaimChart 2.0

3.1 Publication Search

The screenshot displays the ClaimChart LLM web application interface. At the top, the header includes the ClaimChart LLM logo, a language selector set to English, and a user profile for 'Manik Manik'. Below the header, the main navigation bar shows 'publication-search' and 'Claim Chart Reports: 144 left' with a 'History' link. The central area is divided into 'Publication Search' and 'Advanced Search' tabs. On the left, a 'Choose options' sidebar highlights 'Single' and lists 'Multiple'. In the center, there is a section titled 'AI-Generated Claim Charts' featuring a robot icon. Below this, a search input field contains the patent number 'US-8100924-B2', and a 'Proceed >' button is to its right. Red arrows and text boxes provide a guided workflow: one arrow points from the 'Claim Chart Reports' status to a box labeled 'Remaining Claim Chart Report Credits'; another arrow points from the patent input field to a box stating 'The User, Can Enter the Patent Number of Choice'; and a final arrow points from the 'Proceed' button to a box instructing to 'Click on Proceed, to Validate the Input Patent'.

Claim Chart Reports: 144 left

History

Choose options

Single >

Multiple

Publication Search Advanced Search

AI-Generated Claim Charts

US-8100924-B2

Proceed >

Remaining Claim Chart Report Credits

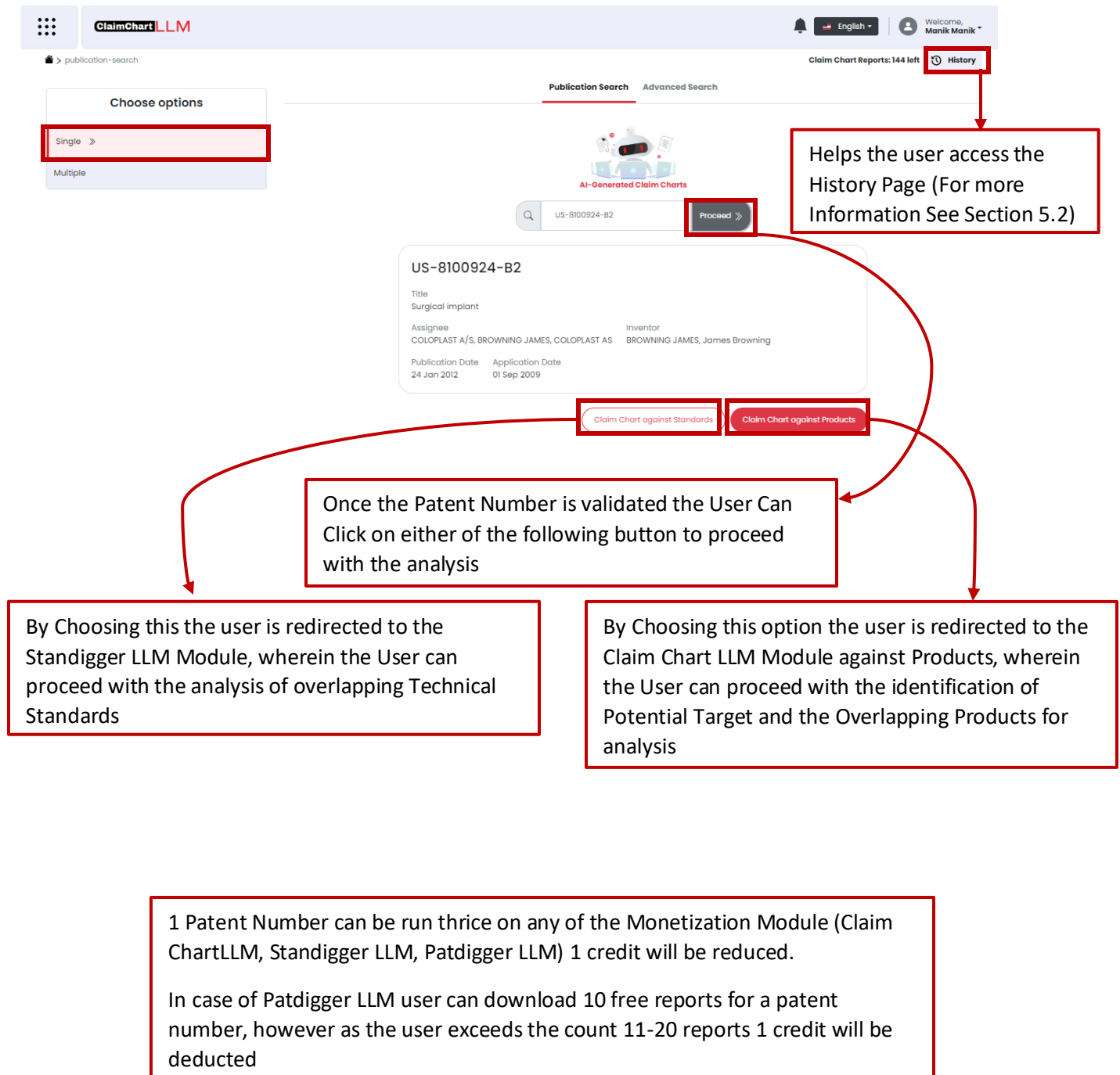
The User, Can Enter the Patent Number of Choice

Click on Proceed, to Validate the Input Patent

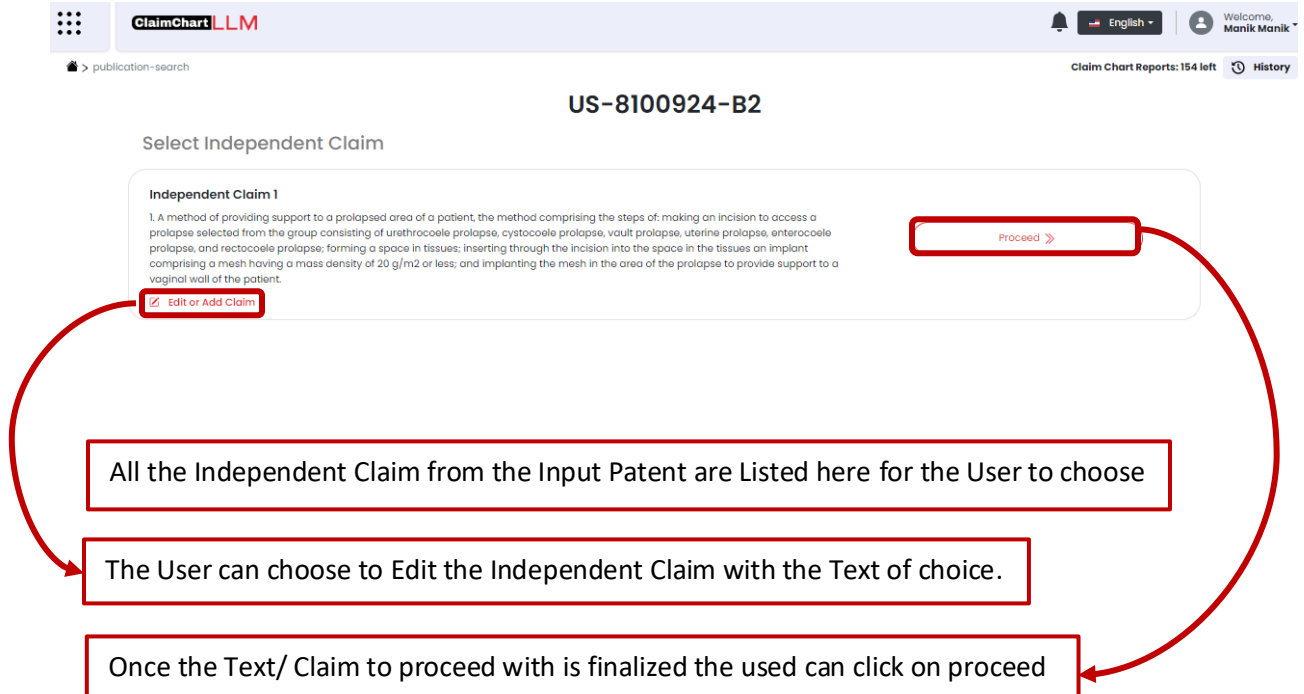
Note: If the Patents fed to the system are without the kind-code then a window pops up requiring user to select the patent matched with correct kind-code by the system

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/m²) 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 ² 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

The screenshot shows the 'ClaimChart LLM' web application interface. The top navigation bar includes the logo, language settings (English), and a user profile (Welcome, Manik Manik). The main content area is titled 'publication-search' and features a 'Choose options' sidebar on the left with 'Single' and 'Multiple' (highlighted with a red box) buttons. The main form is titled 'Upload Publication Numbers' and contains a text input field with the value 'US9208490B2 US8358827B2' (highlighted with a red box). Below the input field is a file upload area with a 'Drop files to attach, or Browse' button and a 'Validate' button (highlighted with a red box). A 'Supervise Claims' checkbox is also present (highlighted with a red box). At the bottom right of the form is a 'Proceed' button (highlighted with a red box). The bottom of the interface has a red footer bar with 'Help Center' and 'Copyright © 2020 Xlscout. All Rights Reserved'. Annotations with red arrows point to various elements: 'The User, Can Enter upto 25 Patent Numbers for a single run' points to the input field; 'Once Patent Numbers are Validated, click on Proceed for Next Step' points to the 'Proceed' button; 'Check box this option, to select or edit the claim for all the Patent Numbers Individually or else by-default the system chooses independent claim 1' points to the 'Supervise Claims' checkbox; 'Remaining Patdigger LLM Report Credits' points to the 'Claim Chart Reports: 312 left' indicator; and 'Helps the user access the History Page (For more Information See Section 5.2)' points to the 'History' button.

ClaimChart LLM

English

Welcome, Manik Manik

publication-search

Upload Publication Numbers

US9208490B2 US8358827B2

Drop files to attach, or Browse csv, xlsx, txt

Validate

Clear

Supervise Claims

Proceed

Claim Chart Reports: 312 left

History

Help Center

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The User, Can Enter upto 25 Patent Numbers for a single run

Once Patent Numbers are Validated, click on Proceed for Next Step

Check box this option, to select or edit the claim for all the Patent Numbers Individually or else by-default the system chooses independent claim 1

Remaining Patdigger LLM Report Credits

Helps the user access the History Page (For more Information See Section 5.2)

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 displays 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 shows 'Claim Chart Credits: 246 left' and a 'History' link. The main section is titled 'Select And Review Claims > Selecting Claim Manually'. A red notification banner states '2 Independent Claim Selected for 2 Publication Number'. Below this, there are two buttons: 'Expand Rows' and 'Select Default Claim'. The main 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 like 'Claim 9', 'Claim 16', and 'Claim 20'. The second entry, 'Mobile deposit system for digital image and transaction manage...', also has a dropdown menu showing 'Claim 1' selected. The 'Action' column contains icons for editing and deleting claims. A 'Proceed >>' button is at the bottom right. Red arrows point from various UI elements to explanatory text boxes.

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 "Upload Product Data" button in the sidebar. Another red box highlights the "Go Find Gold" button. A red box at the bottom left contains the text: "User can add maximum 3 products of their choice which will be considered for analysis". A red box at the bottom center contains the text: "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." A red box at the bottom right contains the text: "Click here to proceed for Report Generation." 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."

ClaimChart LLM

Publication-search > Claims > Key Features > Enter Target

Claim Chart Credits: 228 left History

Welcome Vivek Sharma

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)

Sony Product name Sony

Nokia Product name Nokia

Samsung Product name Samsung

Upload Product Data

Upload Product Data

Upload Product Data

Add Product

Exclude Target Company from AI analysis

LG, Motorola, Apple

Trail_Case

Back Go Find Gold

Help Center

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Add Excel with Product Hyperlinks for Sony Product name

Drag and Drop OR

Choose File

Please upload only non-infringing, licensed, or properly sourced documents.

Confirm Cancel

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

Click here to proceed for Report Generation.

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.

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

English

Welcome, Manik Manik

Publication-search > Enter Target

Claim Chart Credits: 346 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

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
1	9 Apr 2025, 4:25:05 PM	<div>Publication Number Count: 1 [US-10827947-B2] Read more...</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>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.

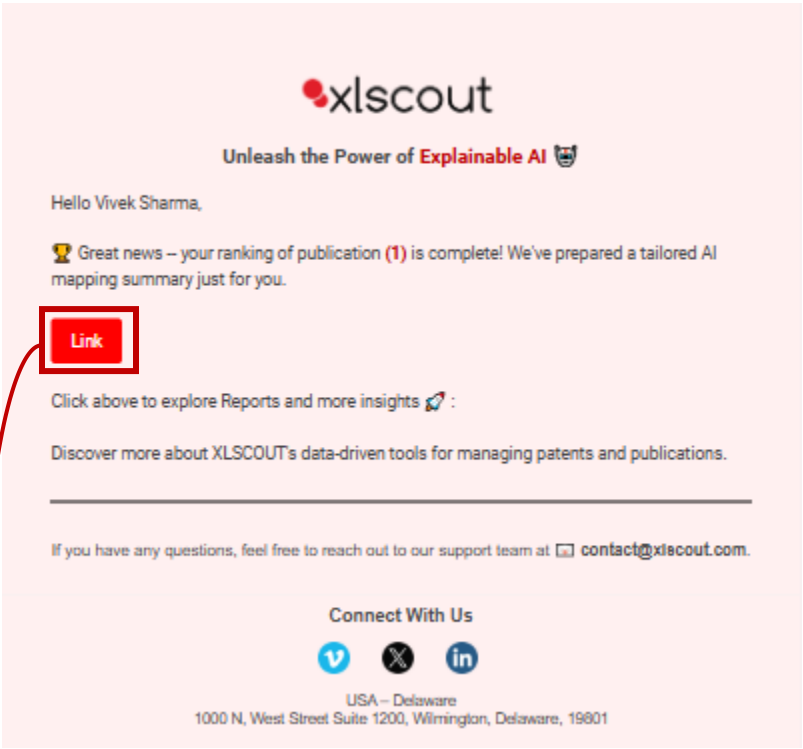
#	Last Updated Date	Search Details	Action	Notes
1	21 Mar 2025, 11:34:10 AM	Publication Number Count: 1 ["US-9966583-B2"] Read more... Claimchart Report Status: Patdigger Report Generated Search Type: Claimchart Company: AI-Recommended Product: AI-Recommended	Show Report Download Report Re Run Delete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

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	Publication Number Count : 5 ["US-9208480-B2"] Read more... Claimchart Report Status : Ranking Completed Ref No : trial_case Search Type : Patdigger Company : USAA Product : 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"/>									
<input type="checkbox"/> 1	US-10530572-B2	Key management method used in encryption processing for safely transmitting and receiving messages	Denso	Engine Electronic Control Unit (ECU)	7	1, 2, 3, 4, 5, 6i, 7i	0.81		
<input type="checkbox"/> 1	US-10530572-B2	Key management method used in encryption processing for safely transmitting and receiving messages	Toyota	Toyota Protect	7	1, 2, 3, 4i, 5i, 6, 7	0.81		
<input type="checkbox"/> 1	US-10530572-B2	Key management method used in encryption processing for safely transmitting and receiving messages	Toyota	Toyota Security System	7	1, 2, 3, 4i, 5i, 6i, 7	0.72		
<input type="checkbox"/> 1	US-10530572-B2	Key management method used in encryption processing for safely transmitting and receiving messages	Denso	Defense-in-depth Security System	7	1, 2i, 3, 4, 5i, 6i, 7n	0.58		

Rows: 6

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

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

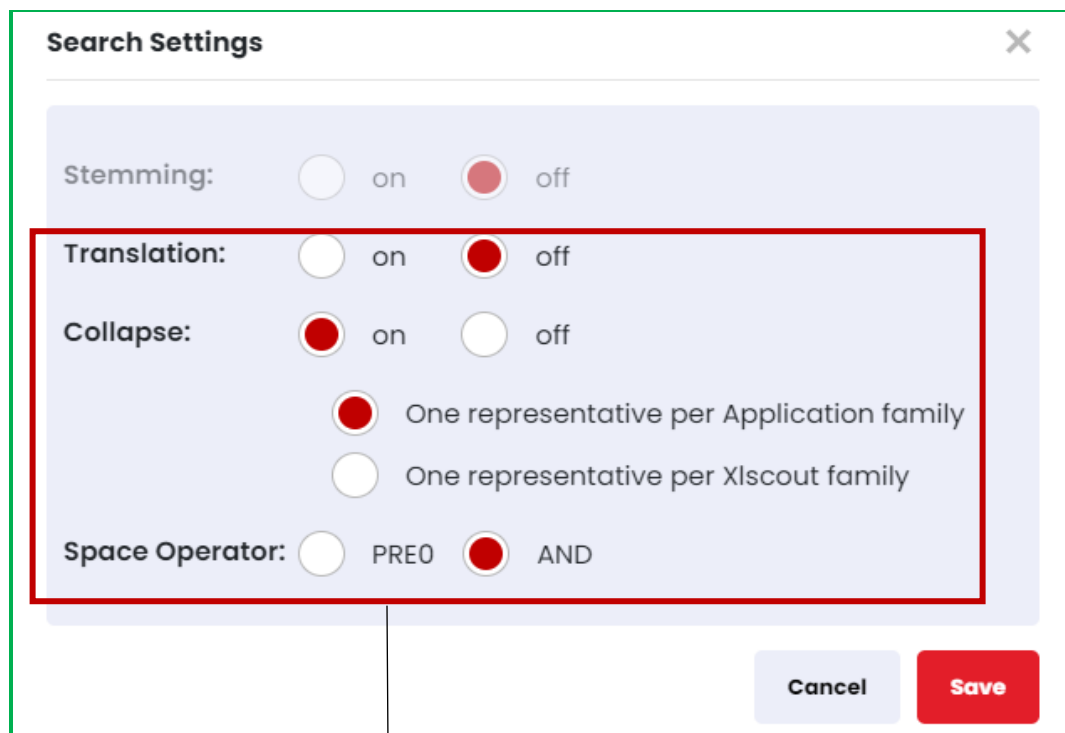
Title, Abstracts or Claims

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. On the left, there are two buttons: 'Advanced Search' (red) and 'US99 Publication Search' (white). Below these is a dropdown menu for 'Authorities / Collections' with 'Full Text' selected. To the right of the dropdown is a search input field containing the text 'Lithium battery OR lithium AND battery OR "lithium battery"'. Further right is a 'Search Guide' button with a gear icon circled in green. At the bottom right is a 'Corpus' button.



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 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 filters: 'Full Text' (set to 'Lithium battery OR lithium AND battery OR "lithium battery"'), 'Publication Country' (set to 'US OR CN'), 'Publication Date' (set to 'mm/dd/yyyy'), and 'Patent Type'. A 'Corpus' button is highlighted with a blue box. Below the filters, a text box contains the word 'mobile', and an 'Analyze' button is next to it. A slider for 'Include Chemical Synonyms' is set to 'off'. Below the text box, a grid of keyword suggestions is displayed, including '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*', and 'pc*'. At the bottom, there are 'Cancel', 'Clear', and 'Submit' buttons.

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 interface with a dropdown menu. The main dropdown is labeled 'Priority Number' and has a downward arrow. Below it, a list of search categories is shown: Text, Names, Numbers (highlighted with a red box), Dates, Classifications, Country, Citations, Legal Status, Patent Type, Litigation, SEP, and Problems(US Only). To the right of the 'Numbers' category, a sub-menu is displayed, listing: Priority Number, Application Number, Publication Number, Publication Kind Code, and Application Kind Code. This sub-menu is also highlighted with a red box.

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>Note - 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>For Example - CN201380013230 or US12004657A</p> <p>Note - 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 Example: 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.