



入門指南

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→ 開始專利檢索

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→ 檢索結果

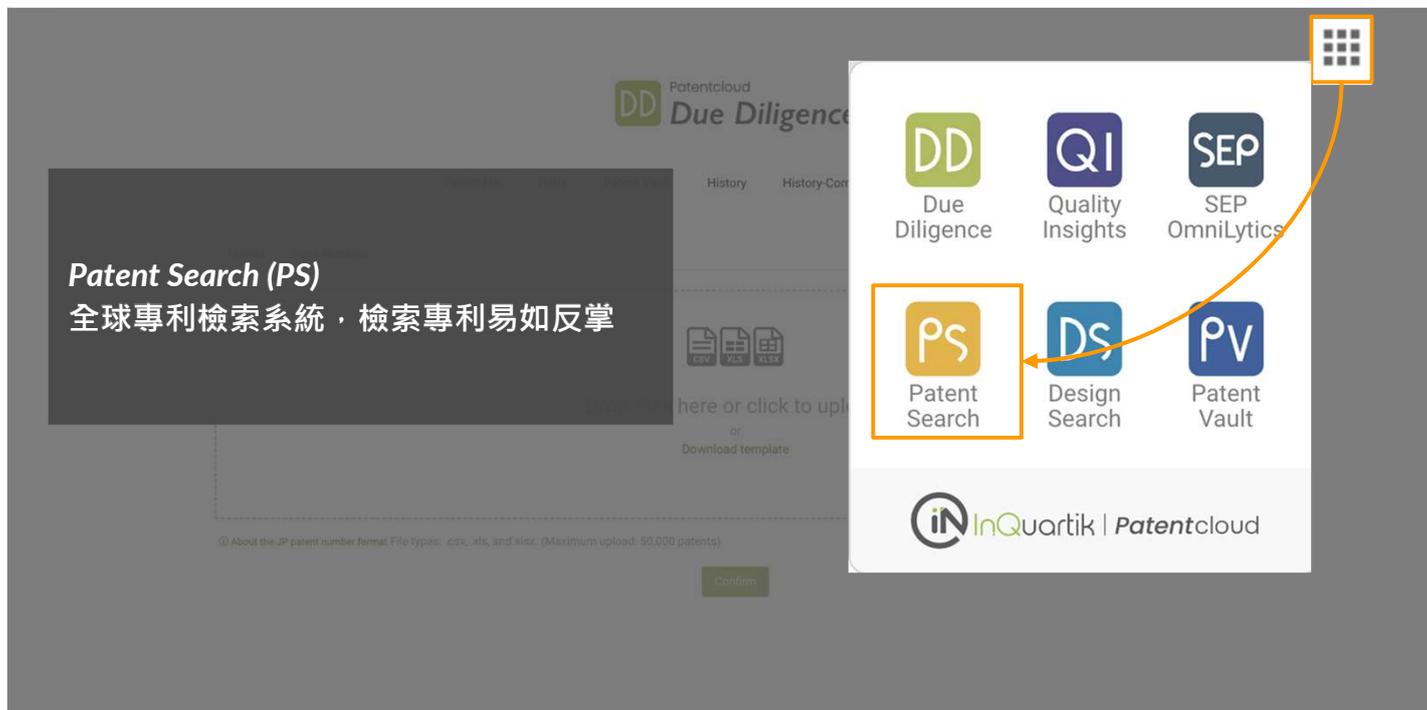
工具: 進階篩選, 螢光筆, 比對, 合併, 統計圖表, 匯出, 擴展, 標籤

, 加入專案, 轉送至

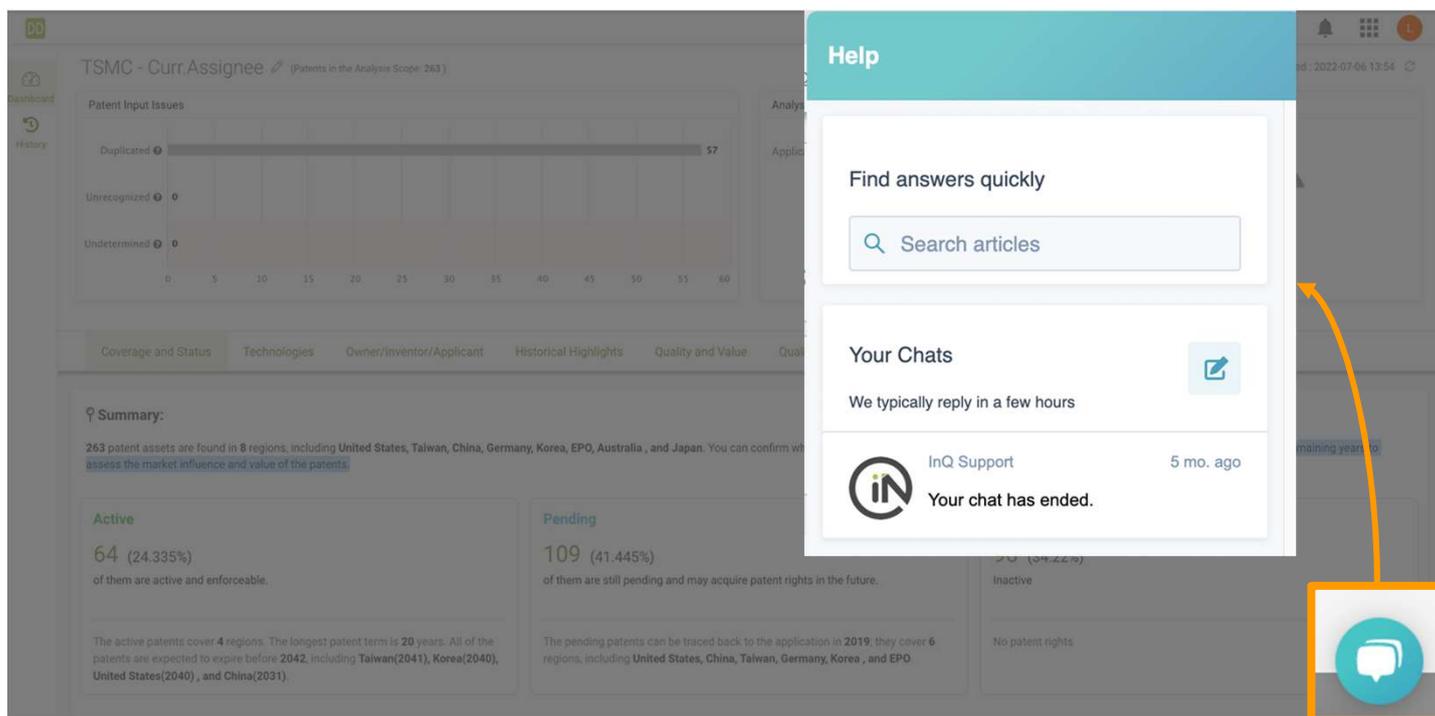
→ 更多專利工作利器

→ 附錄

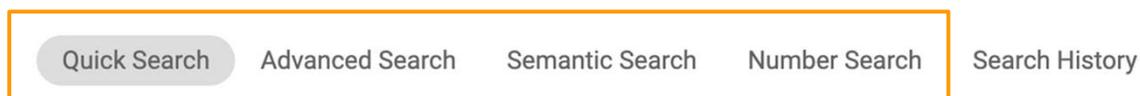
點擊右上九宮格並選擇 Patent Search



任何問題，隨時聯繫我們！



Patent Search 提供了幾種不同的檢索方法，適合我們所有用戶的需要。



點擊分頁，選擇你想要的搜尋方式。

- 使用 [簡易檢索](#) 來做 [關鍵字檢索](#) 或用 [智能檢索](#) 找相關的想法。
- 使用 [進階檢索](#) 來預覽結果的數量，並過濾/合併您的搜索查詢。
- 使用 [語意檢索](#) 來尋找具有語意相似性的關鍵詞概念。
- 使用 [號碼檢索](#) 來搜索專利/申請號或上傳專利列表。

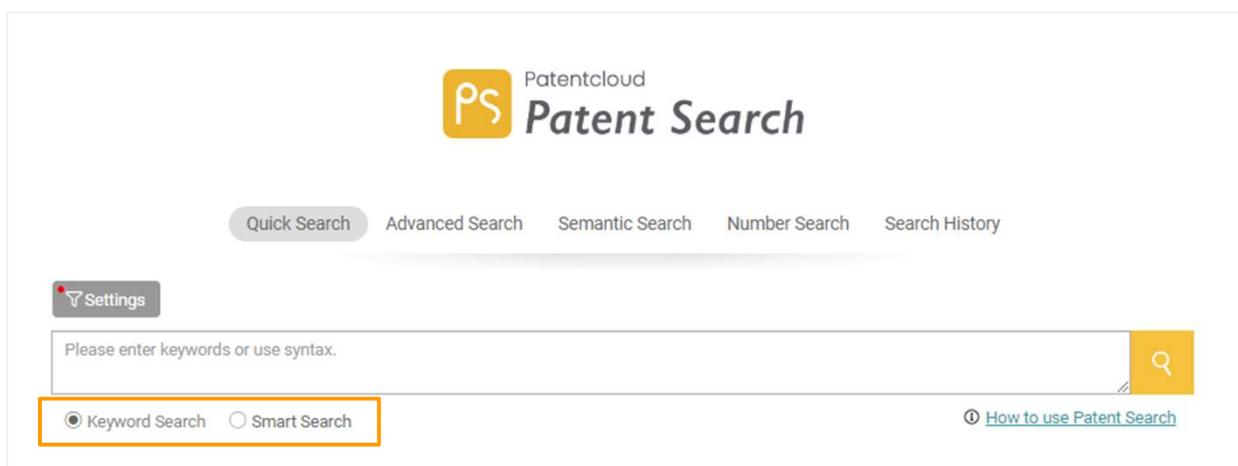
在簡易檢索分頁下有兩種搜索專利的的方法：

1. 關鍵字檢索

只需在搜索欄中輸入一個關鍵字就能獲得結果。

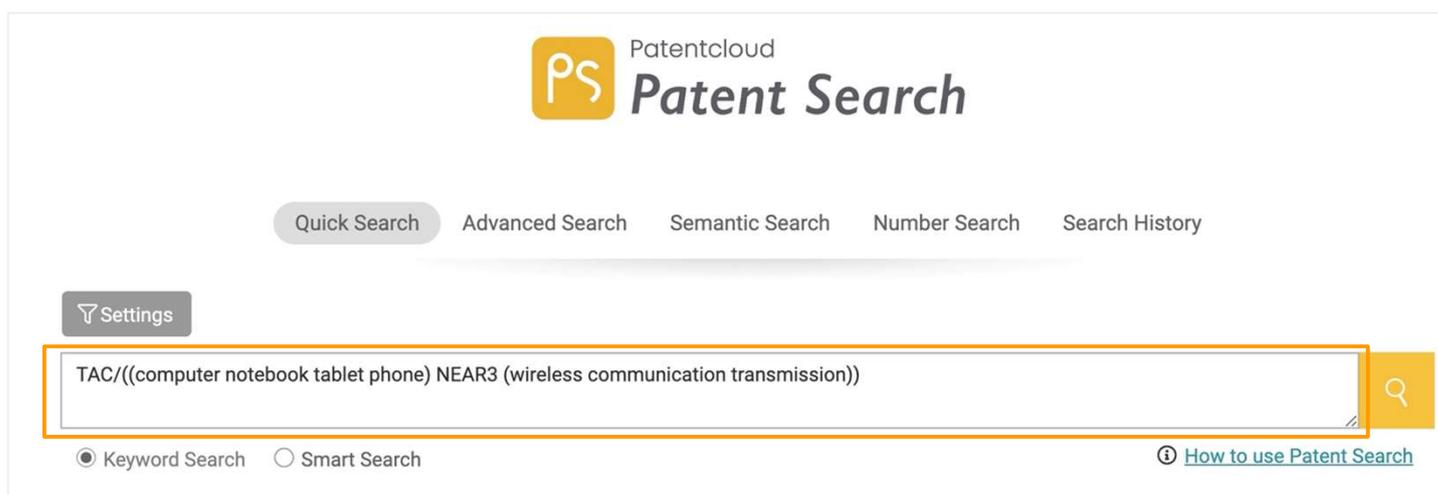
2. 智能檢索

不需輸入任何語法，對原始查詢的相關詞和同義詞進行關鍵字搜索。



關鍵字檢索

在搜索框中輸入搜索條件，然後點擊搜索圖示，進入搜索結果頁面。你也可以使用關鍵字搜索語法和布林運算 (NOT/AND/OR) 來獲得更準確的結果 (見下頁)。



詳見 [語法關鍵字 \(Syntax\)](#)

點擊下拉箭頭，輸入更具體的關鍵字詞以獲得更精確的搜索結果。

The screenshot shows a patent search interface with the following elements and callouts:

- 1:** A dropdown arrow icon in the top left of the search area.
- 2:** A dropdown menu for Boolean operators with options: AND (checked), OR, and NOT.
- 3:** A dropdown arrow next to the 'Abstract' field.
- 4:** A 'Convert to Query' button.
- 5:** A magnifying glass search icon in the top right.

Two text boxes provide additional instructions:

- Box 1: "+ 加欄位來為你的檢索式加更多的條件。" (Add fields to add more conditions to your search query.)
- Box 2: "選擇圖標以增加更多查詢方式，方便輸入。例如 關鍵詞擴展，關聯公司檢索，分類檢索等等。" (Select icons to add more query methods, making input easier. For example, keyword expansion, related company search, classification search, etc.)

步驟：

1. 點擊下拉箭頭，顯示更多的搜索過濾器
2. 选择一個布尔运算
3. 從下拉列表中選擇搜索參數。
4. 在你完成所有標準的設置後，點擊轉換成檢索字串，然後該查詢將以正確的檢索式呈現在上面的搜索框中。
5. 點擊 "搜索" 圖示，開始搜索。

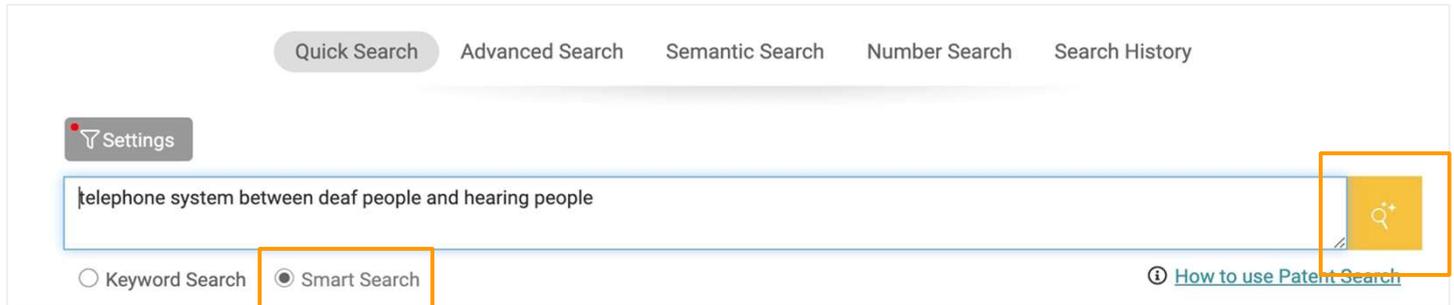
語法關鍵字 (Syntax)

語法關鍵字提供了一個常用的搜索語法的列表。你可以直接點擊你要使用的語法，然後再點擊你的搜索查詢。要打開這個語法框，只需在搜索框中輸入任何已知的USPTO搜索語法和一個/，列表彈窗就會自動出現。

詳見 [語法關鍵字 \(Syntax\)](#)

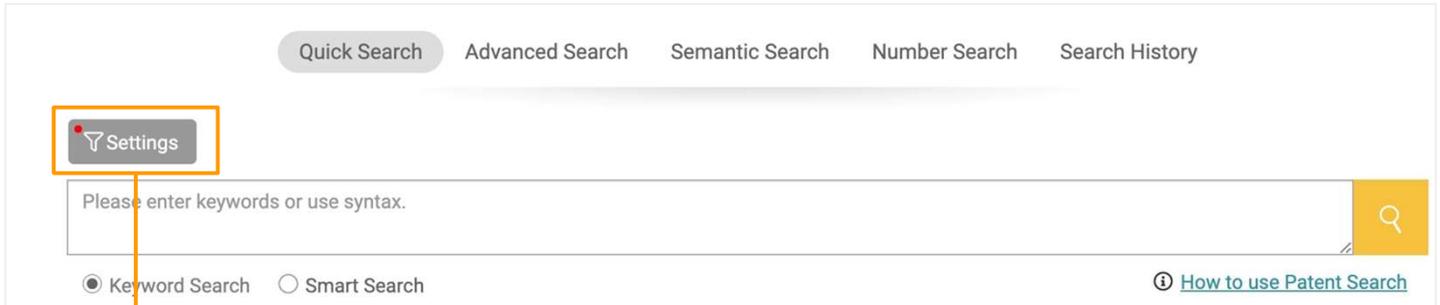
智能檢索

在機器學習的應用下，智能檢索根據對重要的人類語言元素的關聯給出相關結果。使用智能檢索搜索所有相關關鍵字詞不需要輸入任何語法。

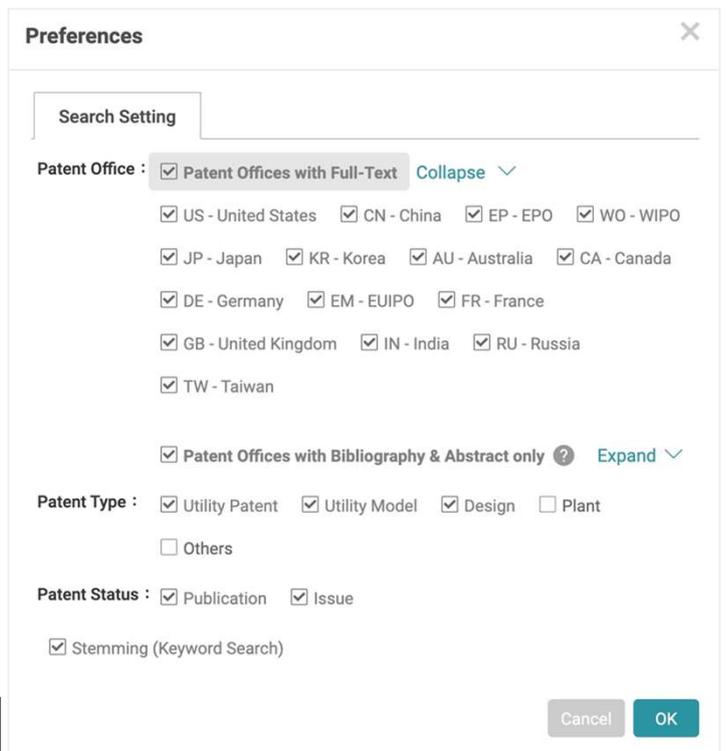


在簡易檢索分頁下選擇智能檢索, 在搜索欄中輸入你的文字查詢 (不含任何語法) , 然後點擊搜索圖示。

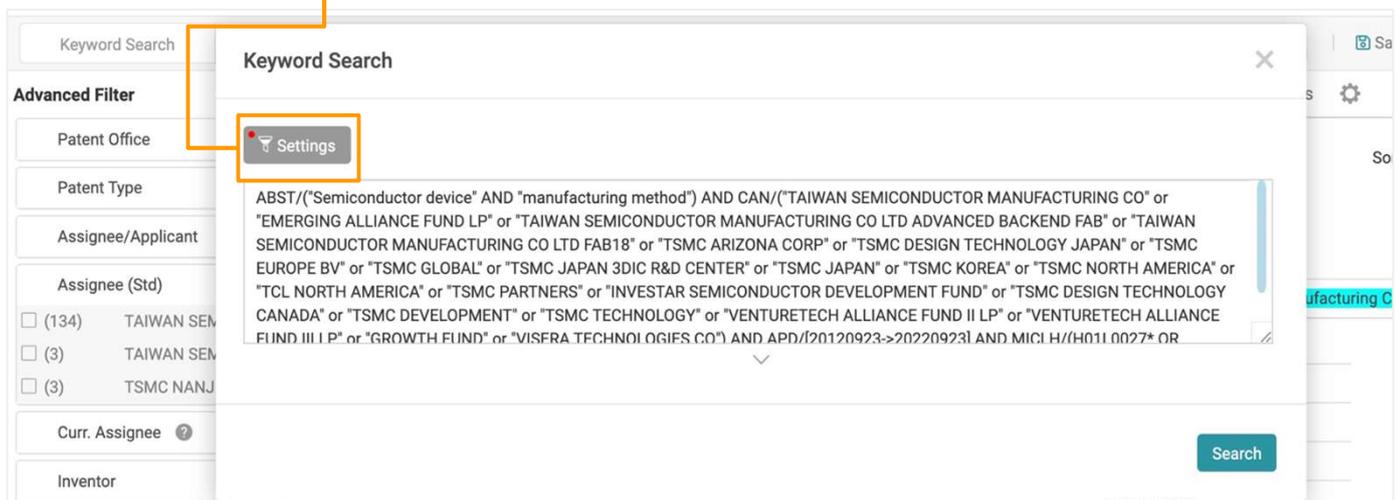
在開始搜索之前，可以定制你的專利局、專利類型和法律狀態的搜索偏好。在簡易檢索、進階檢索和搜索結果頁面下可以進行設置偏好。



系統預設設置為全選。
一旦某個（些）項目被取消勾選，就會顯示一個紅點，表示預設設置的改變。



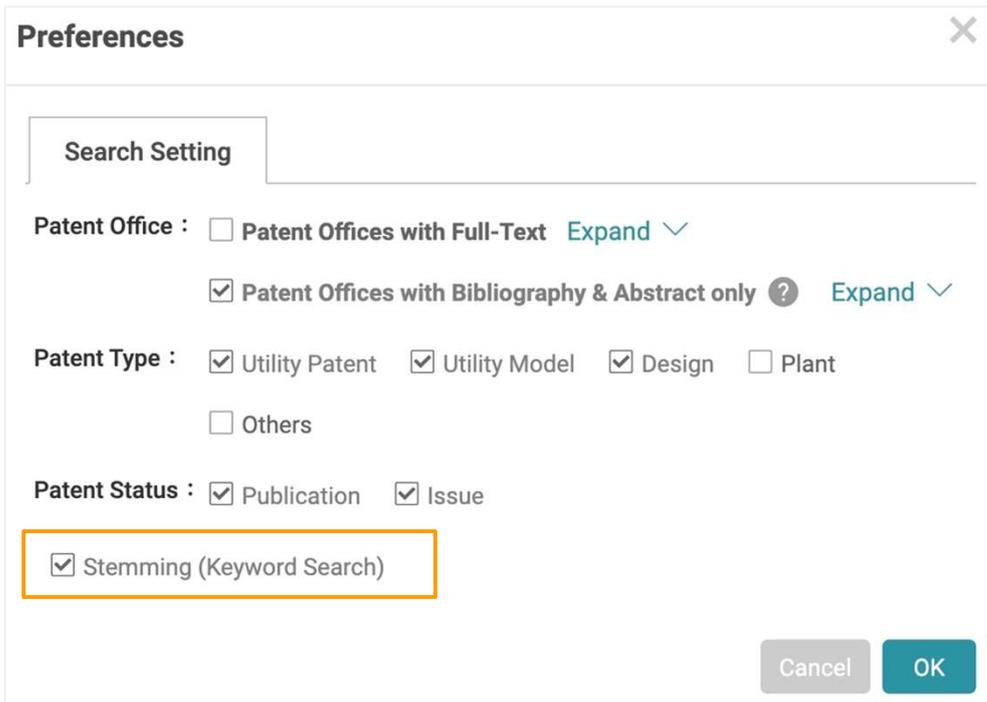
你也可以修改搜索結果頁面上的設置，用調整後的設置重新搜索。



以下是關於Patent Search的設置的一些更多資訊。

專利局 (PTO):

除了來自澳洲、中國、加拿大、EPO、EM、法國、德國、日本、韓國、英國、台灣、印度、俄國和WIPO的專利數據擁有全文文件外，大多數專利數據都是從DOCDB收集的，主要包括書目、摘要和同族專利資料。*



The screenshot shows a 'Preferences' dialog box with a 'Search Setting' tab. The settings are as follows:

- Patent Office : Patent Offices with Full-Text Expand Patent Offices with Bibliography & Abstract only ? Expand
- Patent Type : Utility Patent Utility Model Design Plant Others
- Patent Status : Publication Issue
- Stemming (Keyword Search)

Buttons: Cancel, OK

詞性變化：

當啟用詞性變化功能時，專利檢索結果將包括與您的檢索詞同根的詞。這有助於擴大您的搜索範圍。例如，如果搜索詞是"尋找"，您將得到一個包括"looking"、"look"或"looked"的結果，因為它們有相同的詞根--"look"。此功能不能應用於任何帶有通配符 ("*"或" ? ") 的搜索詞。



Stop Words (停止詞)

諸如以下的字詞："a"、"the"、"of"被認為是"停止詞"。這些詞出現的頻率太高，以至於它們已經失去了作為檢索詞的作用。因此，這些停止詞在Patentcloud中是不可搜索的術語。

*造訪Patentcloud的 [資料即時性與完整性](#) 頁面了解我們的專利數據庫。

進階檢索 提供一個“查看結果”功能，讓你預覽搜索結果中的專利數量。在進行搜索之前，你可以在進階檢索頁面上合併、過濾和查看匹配結果，以提高準確性。

建立檢索

在進階檢索頁面的頂端部分，你可以建立檢索並預覽結果。

The screenshot displays the advanced search interface. On the left, there are three search fields. The first field is labeled '1' and has a dropdown menu set to 'Title, Abstract, Claims'. The second field is labeled '3' and contains the text 'telecommunication OR terminal OR cell' with 'OR' operators. The third field is labeled '4' and contains 'CAN/TSMC'. Below these fields is a 'Syntax List' with buttons for '+', '?', '=', '()', 'and', 'or', and 'not'. On the right side, there are three 'View Results' buttons, with the top one labeled '5'. A callout box points to a result count of '11,483,078' with a link icon. A text box on the right says: '點擊結果得數字可在搜索結果頁上查看該檢索的專利列表。'

步驟：

1. 由下拉選單選擇欄位範圍。
2. 在旁邊的檢索框中輸入關鍵字。如果有多個關鍵字，字間以空格來區隔（不用標點符號）。
3. 請選擇布林語法（AND / OR）表示關鍵字間的關聯性。
或是：
4. 你可以直接輸入語法代碼組成檢索式（詳見 [語法關鍵字 \(Syntax\)](#)）。
5. 點選“查看結果”在右側檢視符合條件的專利檢索結果。
6. 你可以透過點擊“保存”將此查詢行和結果保存到下面的檢索報告中，以便以後合併查詢，或者點擊“重設”開始一個新的查詢。

This screenshot shows a different view of the advanced search interface. The first field is labeled '1' and has a dropdown menu set to 'Title, Abstract, Claims'. The second field is labeled '3' and contains the text 'telecommunication OR terminal OR ... OR'. The third field is labeled '4' and contains 'h05k001/0306, h011 3/*, g06f*'. Below these fields is a 'Syntax List' with buttons for '+', '?', '=', '()', 'and', 'or', and 'not'. On the right side, there are three 'View Results' buttons, with the top one labeled '6' and a 'Save' button next to it. A result count of '10,343,951' is displayed next to the 'Save' button.

檢索報告

在 "進階檢索" 頁面的下半部，你可以將你保存的檢索式合併，在 "搜索報告" 框中查看結果。

The screenshot shows the 'Search Report' interface. At the top, there are buttons for 'Combination' (1), 'Export', 'Save', and 'History'. Below these is a search bar (3) containing '29 AND 21'. A table (2) lists search results with columns for 'No.', 'Field', 'Keywords', 'Optimum Query', 'Boolean', 'Result', and 'Delete'. Two rows are visible: one for search 29 (dated 2022-09-27) with 65,270 results, and one for search 21 (dated 2019-04-15) with 1,745,330 results. A 'View Results' button (4) is shown above the table. A callout box explains that clicking the result number (972) leads to a list of patents. Another callout box explains that the 'History' button allows using saved or recent search conditions.

合併步驟：

1. 點選上方的**檢索式合併**來合併你在搜索報告框中保存的多個檢索查詢。
2. 並在藍框內輸入你想合併的檢索式序號 (或點該序號數字) 。
3. 以布林語法 (NOT/ AND / OR) 來連結各檢索條件。
4. 單擊 "**查看結果**" 以獲得該合併的查詢結果數量。

注意：檢索報告下只適用檢索式合併，不支援語法搜索。請使用每個檢索式號碼 (如步驟2.) 來修改您的檢索範圍。例如，"1 AND 2 NOT 3"

其他檢索報告功能：

Search Report

Combination

Export

Save

History

匯出

將檢索報告導出為Excel (.xlsx) 文件。如下例。

| No. | Field | Keywords | Boolean | Result | Notes |
|-----|-------------|--|---------|-----------|-------|
| 29 | | guide OR wireless OR telephon* OR mob | | 65,270 | |
| 21 | | RGANIC) or ACLM(ORGANIC) or TTL(O | | 1,745,330 | |
| 10 | Combination | 5 AND 8 | | 70,051 | |
| 8 | | RGANIC) or ACLM(ORGANIC) or TTL(O | | 1,772,464 | |
| 5 | | LM(OLED or "EL layer" or "light-emitting l | | 127,711 | |
| 2 | Full Text | "transition mode" | OR | 2,890 | |

This report is generated from www.Patentcloud.com on September 27 ,2022

儲存進階檢索報告到檢索歷史

The screenshot shows a search report interface with a 'Save' button highlighted by a red box and the number 2. Below the report, a 'Save to Search History' dialog box is open. In the dialog, a red box with the number 3 highlights the 'Title' input field, and a red box with the number 4 highlights the 'Confirm' button. A red box with the number 1 highlights the 'Set as Optimum Query' button in the search report list. An arrow points from the 'Save' button in the report header to the 'Save to Search History' dialog.

步驟：

1. 點“設為代表檢索式”（即您的合併檢索式），此檢索式可以在歷史檢索的近期檢索以及儲存中被找到。
2. 點儲存標誌。
3. 幫此檢索式命名。
4. 最後點選“確定”即可。



在你離開頁面去做其他工作之前，記得先儲存你的檢索報告。

其他檢索報告功能：

Search Report

Combination

Export

Save

History

歷史紀錄

點擊[歷史紀錄](#)來瀏覽你近期和儲存的進階檢索報告。

Search Report

AND OR NOT Clear all

29 AND 21

30
2022-09-27 18:03
Combina

29
2022-09-27 11:52

Combination Export Save History

History

| Code | Type | Title | Query | Details | Result | Operation |
|------|-----------------|-----------|-------------------|---------|---------|-----------|
| S18 | Advanced Search | 20220927 | Check all queries | i | 972 | 🔗 |
| S17 | Advanced Search | 0323 | Check all queries | i | 345,714 | 🔗 |
| S16 | Advanced Search | 0311-1 | Check all queries | i | 345,714 | 🔗 |
| S15 | Advanced Search | 3/11 | Check all queries | i | 127,711 | 🔗 |
| S14 | Advanced Search | 212121212 | Check all queries | i | 0 | 🔗 |

1 2 3 4 5 6 7

1 / 4 > | 5 Items Per Page

* Patentcloud automatically saves up to 100 queries.

Close

1. 序號：點擊進入此特定搜尋的檢索結果頁面
2. 類型：進階檢索
3. 標題：儲存時輸入的標題
4. 檢索條件：點擊查看本報告細節及其結果
5. 詳細資訊：檢視此報告的設定範圍與檢索條件
6. 檢索結果：代表檢索式的結果數量
7. 操作：點擊"套用"圖標，將保存的檢索報告套用於進階搜索中的搜索報告。

了解更多 [檢索歷史](#) 相關說明。



恢復和繼續載入檢索報告

請在每次使用進階檢索時保存你的查詢。當你下次回到進階檢索頁面時，如果沒有保存之前的報告，你可以選擇恢復上次未保存的報告或開始新的檢索。

載入檢索報告

請問您是否要載入和繼續上次未保存的檢索報告？

請注意，一旦點擊「否」，Patentcloud 將不會保留這份報告，且無法恢復。

否

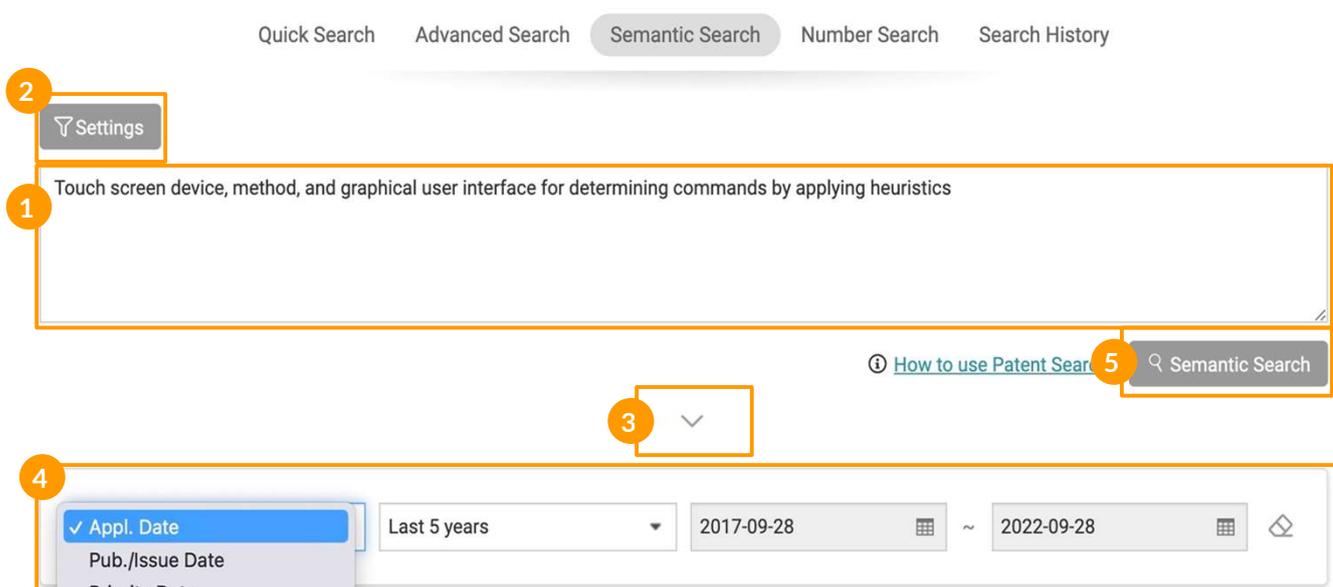
是

了解更多[檢索歷史](#)相關說明。

語意檢索是一種專利的檢索方式，搜尋結果基於關鍵字串間的概念，或稱為語意相似度，而非只利用完全相同的關鍵字搜尋結果。

語意檢索是基於輸入文句或語意內容相似度，而非關鍵字擴展的相似度。例如，如果您搜尋 "car" 以及 "road"，語意檢索將提供與 "car" 或與 "road" 相關的結果，並同時將包含此二關鍵詞的結果也會被優先列出。同時，語意檢索也將搜尋其他相關的關鍵字串，如 "automobile" 和 "street"，但這些結果的優先排序較低。「語意檢索」結果的排序是基於 InQuartik 公司自創演算法，計算出這些關鍵字詞語意相似性，搜尋與輸入條件概念相似的結果。會將 "automobile" 或 "street" 包括在搜尋結果，是因為它們與 "car" 和 "road" 的概念有關。語意檢索不僅拓寬搜尋範圍，也增加檢索精確度，找出相關性高的專利。

使用語意檢索



步驟：

1. 在搜尋欄中請輸入您欲搜尋的關鍵字串或文句。在語意檢索查詢框中，輸入您要搜索的發明概念。您可以輸入自然語言文本，或將整個摘要或權利項以英文複製並粘貼到查詢框中。
2. 點擊 "檢索設定"，選擇你想搜索的專利局。
3. 點擊下拉箭頭，設置日期篩選器。
4. 你可以按時間範圍縮小你的搜索結果。
5. 點擊語意檢索，開始搜索並查看結果頁面。

語意檢索結果頁

語意檢索只會顯示相關性最高的前 300 項資料。

搜尋結果可能多於 300 項，但檢索結果只會提供相關性最高的前 300 項。語意檢索使用 InQuartik 自創的演算法，分析輸入字串與找到專利之內文，相關性愈顯著的搜尋結果將會被優先顯示。

Keywords (3): **graphica** (1), **screen** (13), **determin** (0)

| # | Patent No. | Title | Tag | Value | Quality | Sim |
|---|------------------|--|------|-------|---------|-----|
| 1 | US20070273665A1 | Touch screen device and operating met... | Risk | C | C | US(|
| 2 | US20090213086A1 | TOUCH SCREEN DEVICE AND OPERATI... | Risk | C | C | US(|
| 3 | CN1967458A | Method for controlling a touch screen u... | Risk | A | C | ON(|
| 4 | KR1020100006423A | TOUCH SCREEN SYSTEM | Risk | D | C | KR(|
| 5 | KR1020160041101A | TOUCHSCREEN DEVICE, METHOD FOR ... | Risk | D | AA | KR(|

相關性最高的結果會以星號標注並標記其關鍵字

選取專利下方 **更多相似專利** 的按鍵可以幫助您找到更多相似的專利。點擊結果頁面上的更多相似專利，系統將使用所選專利和原始搜索文字作為新的查詢，再運算300個結果。

Keywords (3): **graphica** (0), **screen d** (5), **determin** (0)

| # | Patent No. | Title | Tag | Value |
|---|------------------|--|------|-------|
| 1 | CN1967458A | Method for controlling a touch screen u... | Risk | A |
| 2 | US20100253620A1 | Apparatus and method for touch screen ... | Risk | A |
| 3 | KR1020130105044A | METHOD FOR USER INTERFACE IN TOU... | Risk | D |
| 4 | WO2014/161156A1 | METHOD AND APPARATUS FOR CONTR... | Risk | D |
| 5 | US20170228146A1 | METHOD FOR CREATING TOUCH SCREE... | Risk | A |
| 6 | CN102498465A | Method of providing user interface of m... | Risk | A |

More Like CN1967458A

使用**檢索結果頁**的工具:

- [螢光筆](#)
- [進階篩選](#)
- [照申請號或專利家族合併](#)

號碼檢索讓您免去輸入專利號碼或語法的麻煩，優化專利檢索的過程，並通過免除無關的結果來提高檢索準確性。

號碼檢索方式：

1. 直接輸入專利號或申請號 或
2. 由 Excel大量匯入

輸入專利號或申請號

1. 請點選下拉目錄中的專利號或是申請號
2. 輸入專利號或申請號
3. 點選**匹配**
4. 點選下方搜尋結果的數量後查看[檢索結果](#)

Quick Search Advanced Search Semantic Search **Number Search** Search History

Appl. No.
✓ Patent No.

Import patents

US7479949; USRE43932; US8908838B2; US20140341359A1; US5724405A

輸入多個專利號或申請號請以分號、空格或換行區分，申請/公開/公告號最大數量: 2000

How to use Patent Search Find

Download Reset

5 patent(s) found, and 0 patent number(s) unrecognized / Upload 5 patent(s).

下載報告

| Country | Patent No. | Appl. No. | Result |
|---------|-----------------|-----------|---------|
| | US7777777 | | Success |
| | CN20080176565A1 | | Failure |

下載一份Excel報告，以快速確定哪些專利/申請號沒有被識別。(此功能適用於所有號碼檢索)。

由 Excel大量匯入

1. 點選匯入專利
2. 在彈窗請點擊下載匯入模板來下載excel 範本
3. 填上專利局國家代碼以及專利號或是申請號並儲存檔案
4. 點選檔案上傳選擇儲存的檔案之後會顯示檔名
5. 點擊確認看匯入結果
6. 點擊結果的數字在 [檢索結果頁](#)查看專利清單

The screenshot illustrates the process of importing patents from an Excel spreadsheet. It shows the search interface with the 'Number Search' tab selected. A dialog box prompts the user to click 'Import patents' and provides instructions on how to format patent numbers. Another dialog box shows the 'Import patents' window with an 'Upload file' button and a 'Click to download the Import Template' button. The Excel spreadsheet displays the 'Import Template' with columns for Country, Patent No., and Appl. No. The final confirmation message shows that 3 patent(s) were found and 0 were unrecognized.

Import patents

Please make sure you have entered application / patent numbers and the numbers start with a country code. You can separate the numbers with semicolons, spaces, or new lines. For example: US7749473; US7749478; US20130124776; Maximum numbers per search: 2,000

[How to use Patent Search](#) Find

Import patents

Upload file 2022_09_27-v1r00.xlsx

Upload file No uploaded files.

Click to download the Import Template

Please download the "Import Template" and follow the guidelines in the template to ensure all patent data is imported correctly.

Cancel Confirm

| Country | Patent No. * | Appl. No. * |
|---------|--------------|-------------|
| | US7777777 | |
| US | | 09/326569 |
| CN | 104916081 | |

Download | Reset

3 patent(s) found, and 0 patent number(s) unrecognized / Upload 3 patent(s).

Patent Search 的專利搜索保存了您的檢索條件，並在儲存在檢索歷史頁面上。如果您進行了100次以上的檢索，系統則會保存最近的100次檢索結果。

| <input type="checkbox"/> | Code | Type | Query | Details | Result | Time Created | Operation |
|--------------------------|------|-----------------|--|---------|---------------------------|---------------------|-----------|
| <input type="checkbox"/> | R79 | Keyword Search | (CC/"US" AND PN/"777777") OR (CC/"CN" AND PN/"104916081") OR (CC/"US" AND APN/"09/326569") | | 3 (Families) | 2022-09-30 15:43 | |
| <input type="checkbox"/> | R78 | Number Search | Download patent/application numbers | | 5 | 2022-09-30 13:56 | |
| <input type="checkbox"/> | R77 | Semantic Search | Touch screen device, method, and graphical user interface for determining commands by applying heuristics | | 300 | 2022-09-29 13:58 | |
| <input type="checkbox"/> | R76 | Advanced Search | Check all queries | | 23,032 | 2022-09-28 17:12 | |
| <input type="checkbox"/> | R75 | Keyword Search | (((APD/[20130101 -> 20190611] AND TAC/("memory" OR storage OR semiconductor)) OR ((AN/("Toshiba memory") OR CAN/(" Tos... | | 728 (Families) | 2022-09-28 16:45 | |
| <input type="checkbox"/> | R74 | Keyword Search | ABST/("car" OR "汽车" OR "汽車" OR "車" OR "motor-car" OR "motorcar" OR "automobile" OR "motor car" OR "摩托车" OR "汽车" OR "摩托車... | | 1,906,057 (Families) | 2022-09-28 15:33 | |

檢索歷史選項中各功能

操作 - 套用

已保存的檢索條件：點擊套用將已保存的檢索條件應用於該檢索(如， R77 的檢索條件將在語意檢套用; 而R79的檢索條件會套用在簡易檢索)

操作 - 儲存

點擊儲存以手動保留檢索條件

操作 - 檢索監控

隨時掌握檢索節果的最新動態。這個功能只能應用在關鍵字檢索(利用簡易檢索和進階檢索執行)

匯出

選擇要「匯出」的檢索條件 (到Excel文件 (.xls))

代碼 R78

執行檢索並直接進入檢索結果頁面。

詳細資訊

查看該檢索式的檢索設定

Patent Search 檢索結果頁面提供了許多功能，幫助我們的用戶查看、篩選、分析和
管理結果

The screenshot displays the Patent Search interface. On the left, there is an 'Advanced Filter' sidebar with various dropdown menus for filtering results. The main area shows a list of search results, with the second result, 'US11145639B2', selected and highlighted. To the right of the list, a detailed view of the selected patent is shown, including its title 'Semiconductor package and manufacturing method thereof', a list of 20 claims (with 3 independent claims), and a 'BACKGROUND' section. The background text describes the semiconductor industry's rapid growth and the need for smaller packages. On the far right, there is a vertical sidebar with a search icon and a list of thumbnail images representing different views or figures of the patent.

各種功能將在以下章節中詳細介紹。

- [修改檢索字](#) — 調整檢索條件
- [儲存檢索條件](#) — 儲存檢索條件到檢索歷史
- [監控檢索條件](#) — 每月或每週監控檢索結果
- [個人化設定](#) — 檢索、專利列表和合併設置
- [瀏覽模式](#) — 專利圖片模式，圖文並列模式，條列展示模式，並排檢視模式
- [選取檢索結果/ 取消全選](#) — 管理結果列表
- [檢索結果工具](#) — 進階篩選, 螢光筆, 比對, 合併, 統計圖表, 匯出, 擴展, 標籤, 加入專案, 轉送至 (*Quality Insights* 或 *Due Diligence*)

您可以在頁面頂部的檢索欄中調整檢索條件，然後點擊**檢索**。

修改檢索式:

1. 點擊檢索條，會顯示一個彈窗
2. 調整檢索式或設置
3. 點擊**檢索**來瀏覽調整後的結果

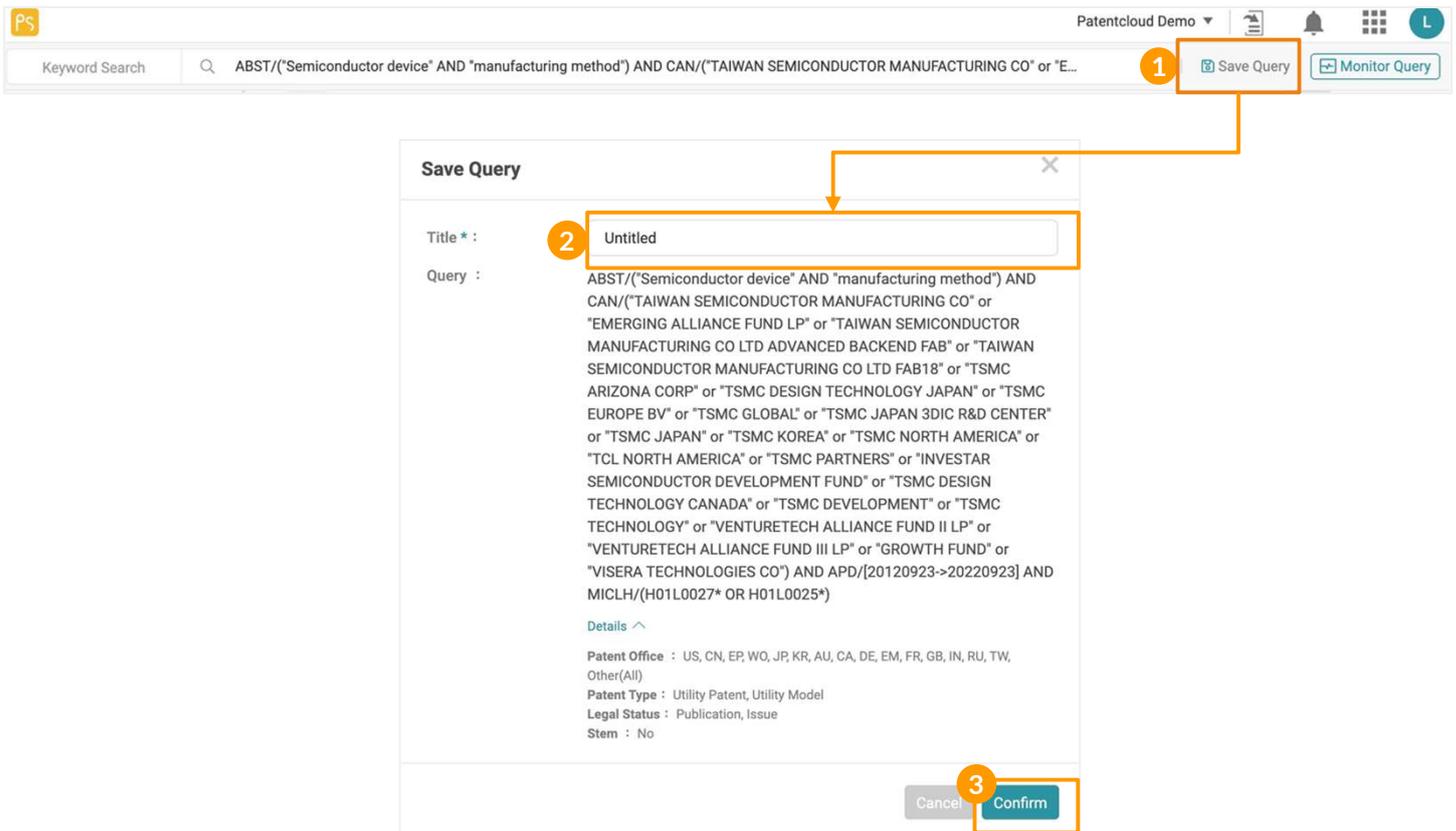
The screenshot illustrates the process of modifying a search query in three steps:

- Step 1:** A search bar at the top of the page contains the query: `ABST/("Semiconductor device" AND "manufacturing method") AND CAN/("TAIWAN SEMICONDUCTOR MANUFACTURING CO" or "E...`. A red circle with the number '1' highlights the search bar.
- Step 2:** A modal window titled "Keyword Search" is open, showing the full query: `ABST/("Semiconductor device" AND "manufacturing method") AND CAN/("TAIWAN SEMICONDUCTOR MANUFACTURING CO" or "EMERGING ALLIANCE FUND LP" or "TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD ADVANCED BACKEND FAB" or "TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD FAB18" or "TSMC ARIZONA CORP" or "TSMC DESIGN TECHNOLOGY JAPAN" or "TSMC EUROPE BV" or "TSMC GLOBAL" or "TSMC JAPAN 3DIC R&D CENTER" or "TSMC JAPAN" or "TSMC KOREA" or "TSMC NORTH AMERICA" or "TCL NORTH AMERICA" or "TSMC PARTNERS" or "INVESTAR SEMICONDUCTOR DEVELOPMENT FUND" or "TSMC DESIGN TECHNOLOGY CANADA" or "TSMC DEVELOPMENT" or "TSMC TECHNOLOGY" or "VENTURETECH ALLIANCE FUND II LP" or "VENTURETECH ALLIANCE FUND III LP" or "GROWTH FUND" or "VISERA TECHNOLOGIES CO") AND APD/[20120923->20220923] AND MICLH/(H01L0027* OR`. A red circle with the number '2' highlights the text area of the modal.
- Step 3:** A red circle with the number '3' highlights a blue "Search" button located at the bottom right of the modal window.

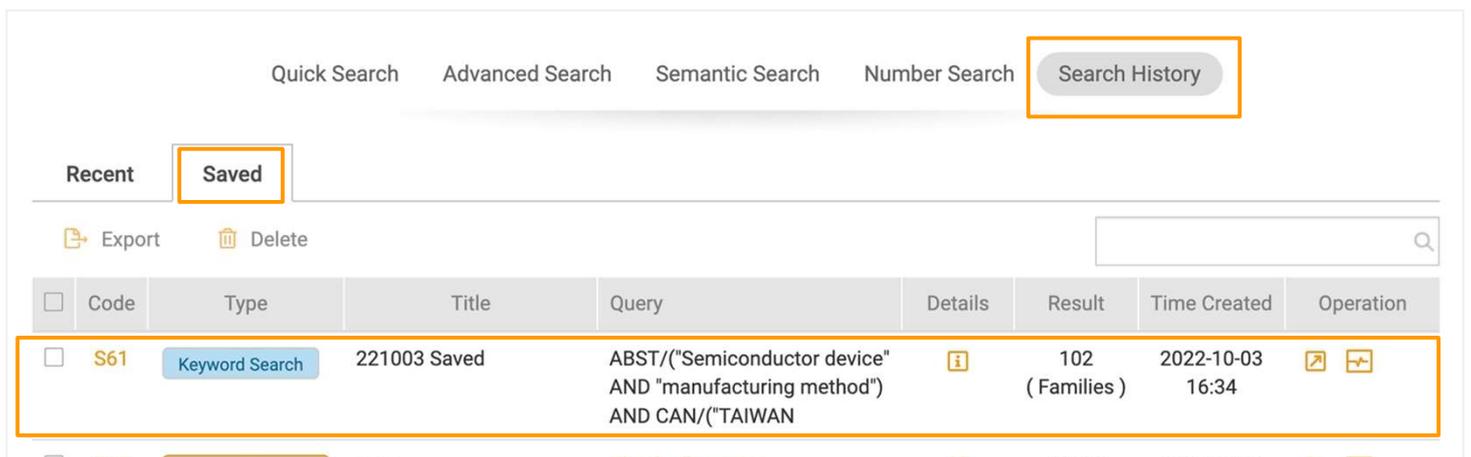
儲存檢索條件到 [檢索歷史](#)。

儲存檢索條件

1. 點擊檢索條右邊的儲存檢索條件
2. 下此檢索條件的標題
3. 點擊確定



保存的查詢可以在檢索歷史頁面下找到。



透過檢索監控，您可以設置自動監控，並且顯示定期的檢索監控結果。

設置檢索監控:

1. 點擊頁面右上的**監控檢索條件**。若您想監控之前下的檢索條件,可以經由檢索歷史取得其檢索條件。
2. 設置一個標題，並將其保存在你的**Patent Vault** 中的一個現有資料夾中，或創建一個新的資料夾。然後監控的執行及通知的頻率。
3. 點擊**確認**完成設置監控。

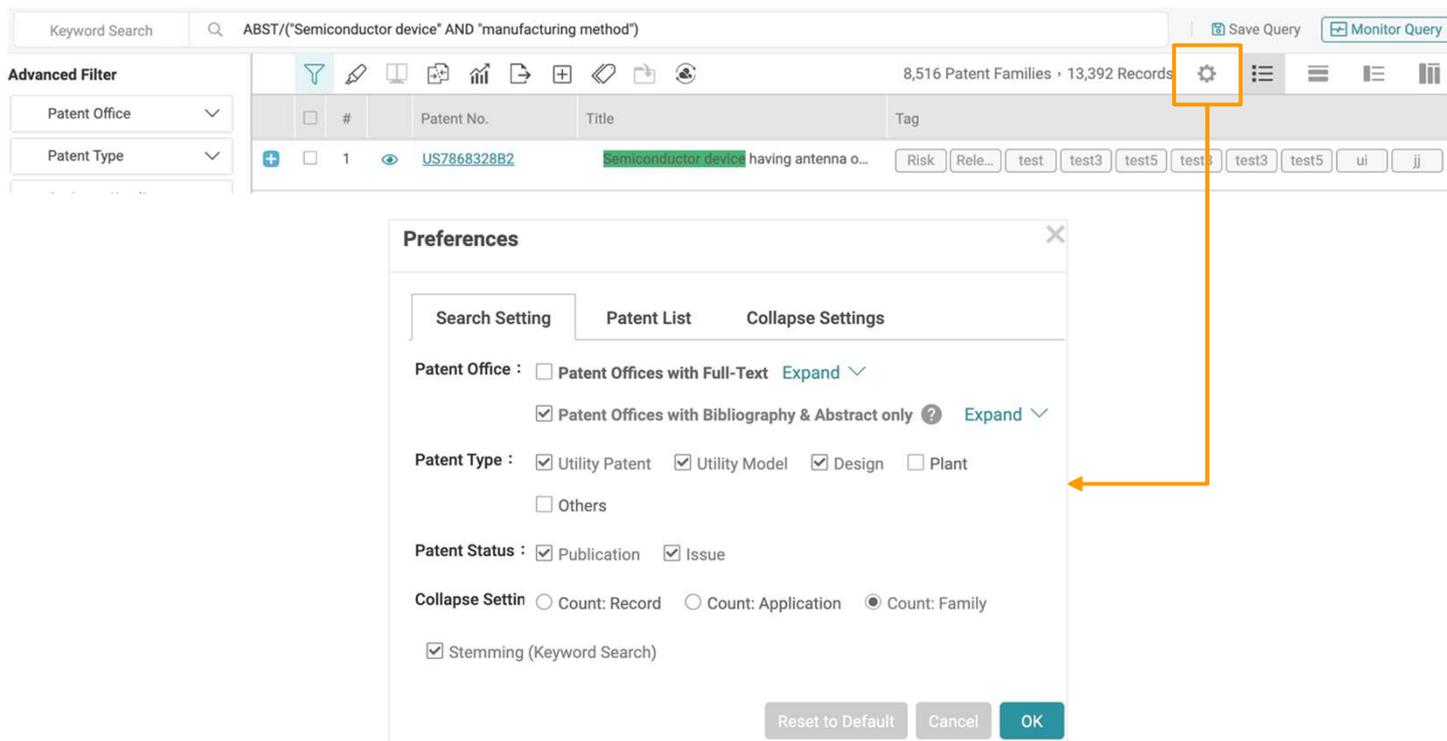
The screenshot displays the Patentcloud interface. At the top right, there is a 'Monitor Query' button (callout 1). A 'Monitoring Setting' dialog box is open, showing the following fields: 'Title * : Untitled Query Monitor', 'Frequency * : Monthly' and '1', and a 'Save to folder' checkbox. Below the frequency field, there is a note: 'The latest result of query monitoring will be sent to you by email based on the frequency setting, and added into the node if a node is selected.' There is also a 'Select Folder' button (callout 2) and a 'No folder selected' message. Below the dialog, the 'Query : ABST/("Semiconductor device" AND "manufacturing method")' is shown, along with details for Patent Office, Patent Type, and Legal Status. At the bottom right of the dialog, there are 'Cancel' and 'Confirm' buttons (callout 3).

*您將根據您設定的頻率收到監測結果的電子郵件通知。您可以在**Patent Vault**專案中查看保存的查詢的詳細監控結果。

造訪Patent Cloud的幫助中心了解更多的 [監控檢索條件](#)。

客製化管理您對檢索設置、專利列表中查看的信息和合併設置。

按下檢索結果右邊的  圖標來管理個人化設定。



Keyword Search Save Query Monitor Query

Advanced Filter

Patent Office

Patent Type

8,516 Patent Families · 13,392 Records

| # | Patent No. | Title | Tag |
|---|-----------------------------|--|--|
| 1 | US7868328B2 | Semiconductor device having antenna o... | Risk Rel... test test3 test5 test3 test5 ui jj |

Preferences

Search Setting Patent List Collapse Settings

Patent Office : Patent Offices with Full-Text Expand Patent Offices with Bibliography & Abstract only ? Expand

Patent Type : Utility Patent Utility Model Design Plant Others

Patent Status : Publication Issue

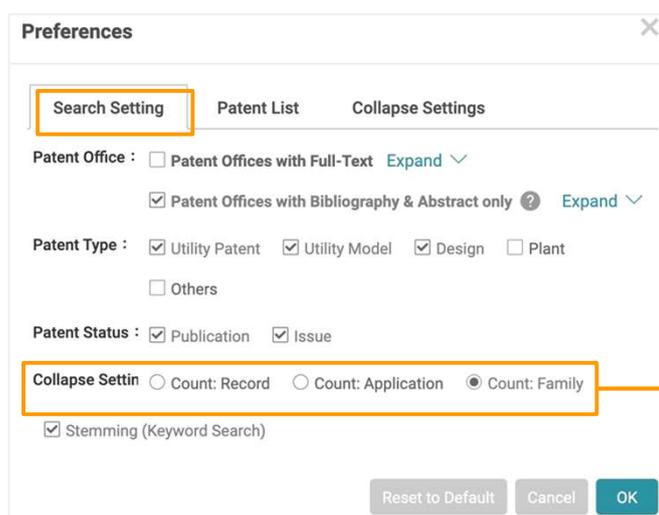
Collapse Setting Count: Record Count: Application Count: Family

Stemming (Keyword Search)

Reset to Default Cancel OK

檢索設定

除了專利合併設定外，檢索設定在 [簡易檢索](#)和[進階檢索](#)相同並且連動。



Preferences

Search Setting Patent List Collapse Settings

Patent Office : Patent Offices with Full-Text Expand Patent Offices with Bibliography & Abstract only ? Expand

Patent Type : Utility Patent Utility Model Design Plant Others

Patent Status : Publication Issue

Collapse Setting Count: Record Count: Application Count: Family

Stemming (Keyword Search)

Reset to Default Cancel OK

專利合併設定允許你選擇預設的方法來按家族、申請或專利數進行合併結果的數量。



8,516 Patent Families · 13,392 Records

| # | Patent No. | Title | Tag |
|---|-----------------------------|--|--|
| 1 | US7868328B2 | Semiconductor device having antenna o... | Risk Rel... test test3 test5 test3 test5 ui jj |

顯示設定

設置在一個頁面上顯示的專利數量，預設的瀏覽模式，在瀏覽模式下查看的資料欄位，以及專利號格式。

The screenshot shows the 'Patent List' settings panel. It includes a 'Results Per Page' dropdown set to 60, a 'Default View Mode' dropdown set to List, and a table of columns with checkboxes for selection. Callouts point to these elements with the following text:

- 設置每頁顯示的預設專利數。
- 設置預設的瀏覽模式。
- 勾選各瀏覽模式顯示的資料欄位。

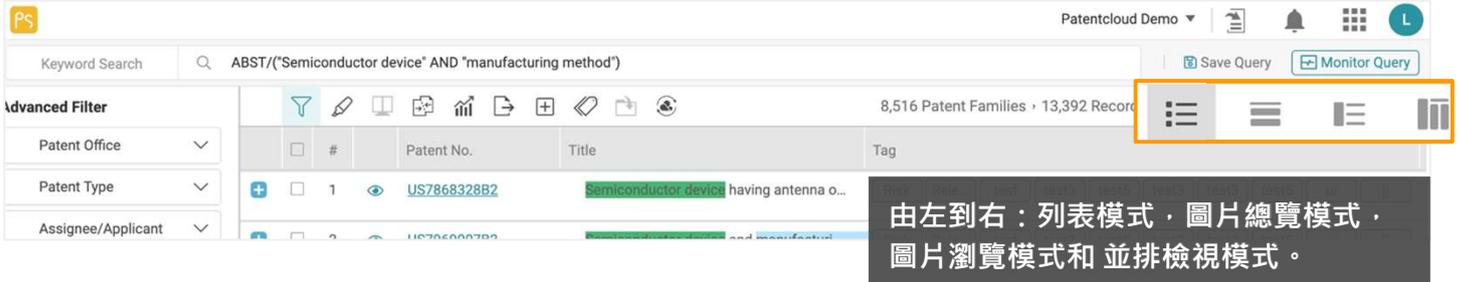
| Column | List | Gallery View | Summary View | Side by Side |
|------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Legal Status | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Value | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Abstract | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| # of Claim | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| # of Independent Claim | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

專利合併設定

設置當專利列表按申請號或按家族合併時列表的排序（按最近的或最早的排列）。

The screenshot shows the 'Collapse Settings' panel. It has two sections: 'By Appl. No.' and 'By Family'. Each section has a 'Preferred Date (Pub./Issue Date)' label and two radio button options: 'Most Recent' (selected) and 'Earliest'. At the bottom, there are three buttons: 'Reset to Default', 'Cancel', and 'OK'.

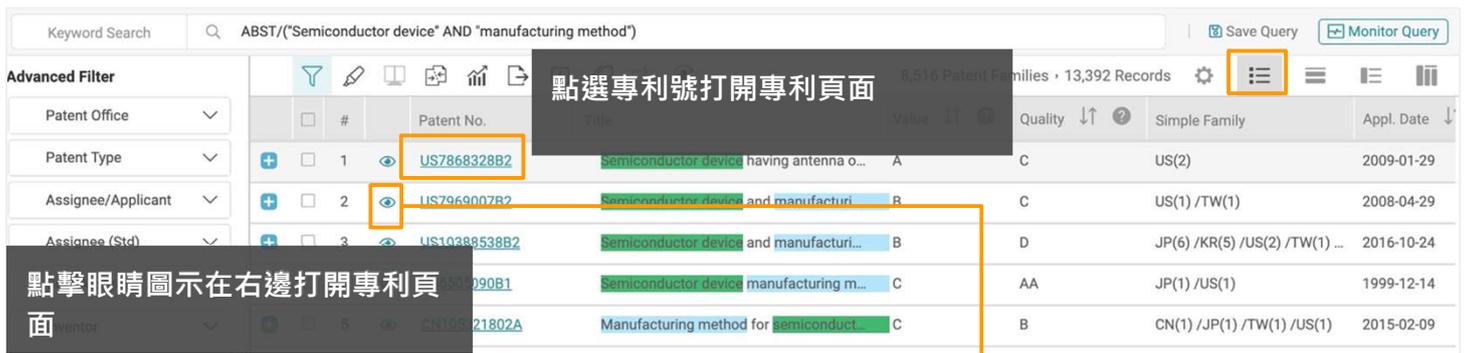
Patent Search 提供各種瀏覽方法。要查找您所需的專利訊息，您可以點擊右上方的圖標以快速切換查看模式。



1. 列表模式

以列表格式查看「專利公開/公告日」、「專利號」、「專利名稱」、「申請號」、「申請日」。

分屏模式 是列表和圖片總覽模式其中一功能。使用者不需要切換到另一視窗，即可在右邊屏幕讀取相關專利文件資料。



點擊眼睛圖示在右邊打開專利頁面



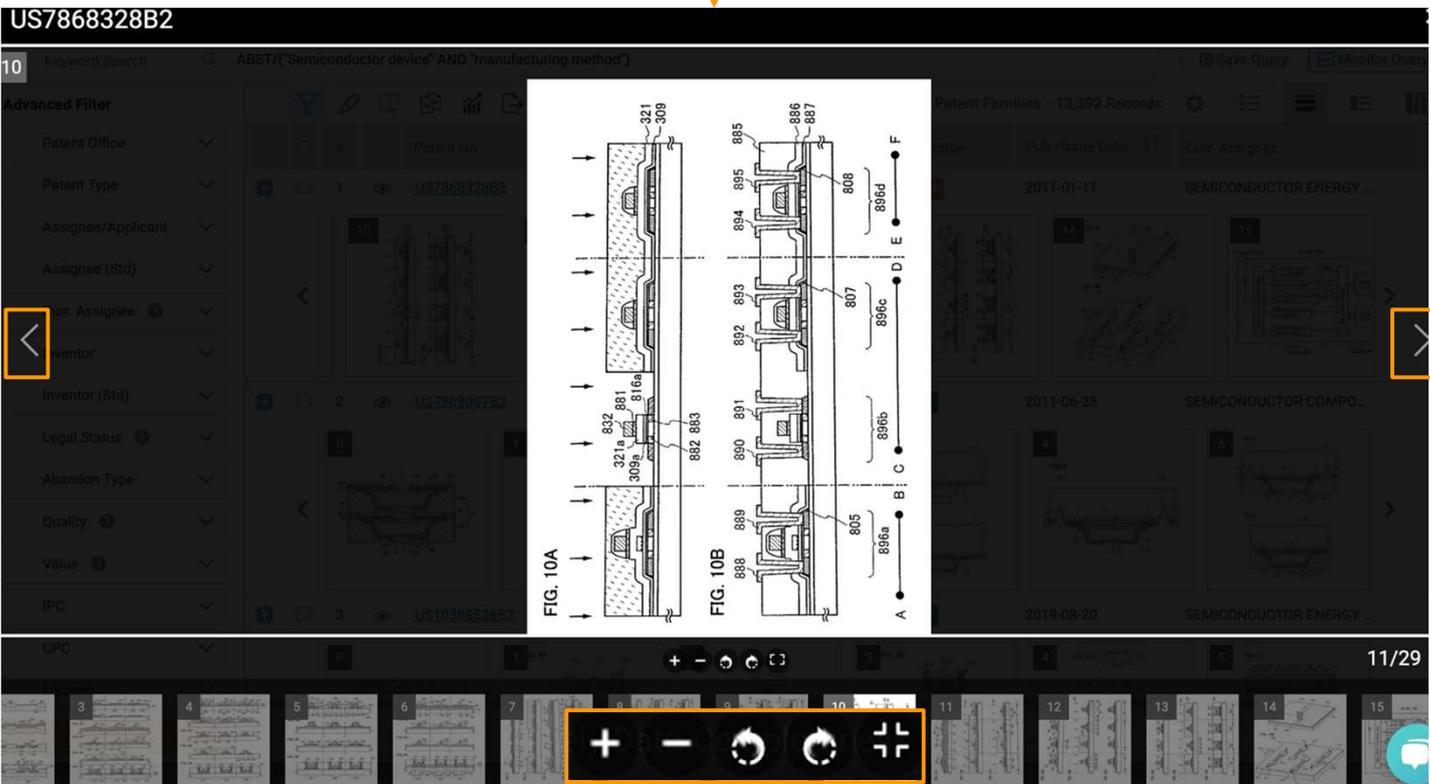
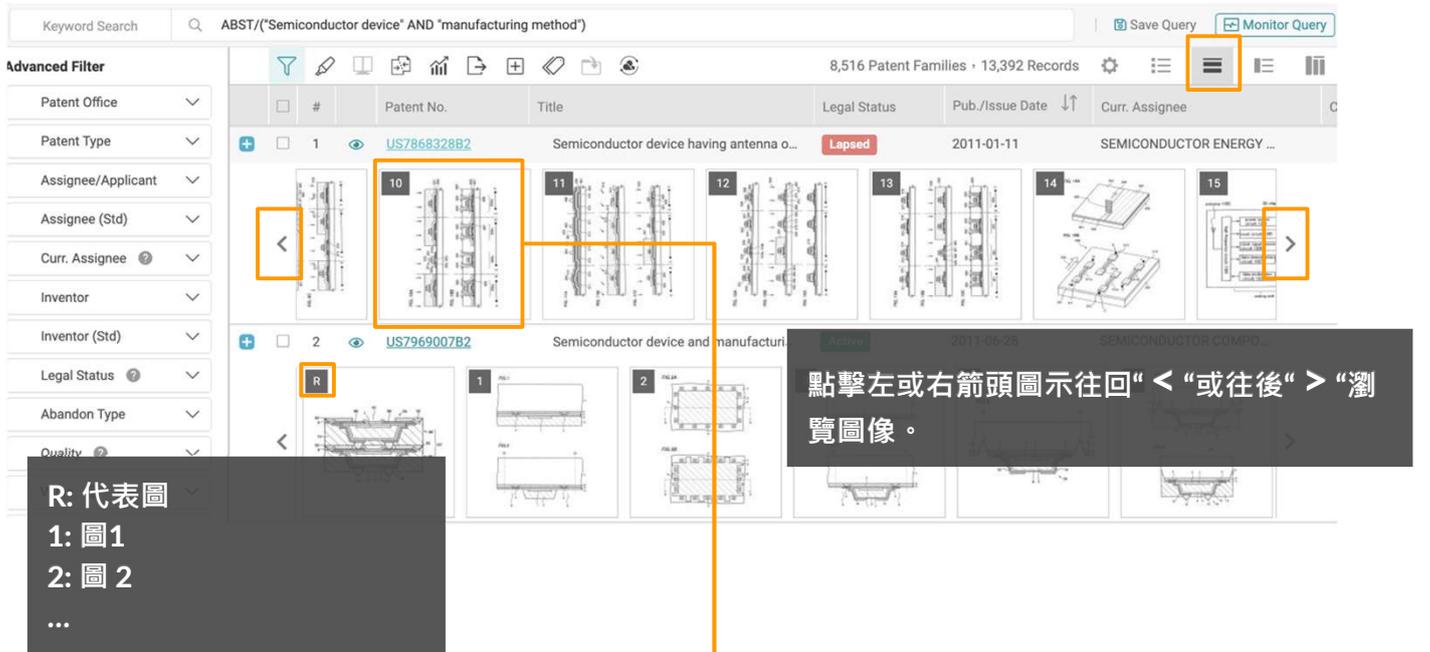
若欲瀏覽另一個專利號的分屏，點擊專利號右邊的眼睛圖標。

注意：啟用分屏模式時如過濾器，螢光筆等工具無法使用。

要設置預設瀏覽模式和選擇顯示欄位，請參考 [檢索結果 - 個人化設定](#)。

2. 專利圖片模式

讓你能利用專利的圖像更快的瀏覽所有檢索結果。點擊圖像可放大檢視。



放大，縮小，旋轉和全圖顯示（隱藏/顯示下方圖像總覽）。

設置預設瀏覽模式和選擇顯示欄位，請參考[檢索結果 - 個人化設定](#)。

3. 圖片總覽模式



讓你能同時瀏覽圖片以及專利摘要

Keyword Search: ABST/('Semiconductor device' AND 'manufacturing method')

Advanced Filter: Patent Office, Patent Type, Assignee/Applicant, Assignee (Std), Curr. Assignee, Inventor, Inventor (Std), Legal Status, Abandon Type, Quality, Value

8,516 Patent Families · 13,392 Records

Sort By: **Relevance**, Appl. Date, Pub./Issue Date, Pub. Date (Gazette), Earliest Priority, Inactive Date, Quality, Value

1. **Semiconductor device** having antenna over thin film integrated circuit

Patent No.: [US7868328B2](#) Assignee: Inventor:
Pub./Issue Date: 2011-01-11 ◆ Orig. Assignee: SEMICONDUCTOR ENER... Shunpei Yamazaki
Appl. No.: 12/362462 ◆ Orig. Assignee (STD): SEMICONDUCTOR ENER... Hiromichi Godo
Appl. Date: 2009-01-29 ◆ Orig. Assignee (STD): SEMICONDUCTOR ENER... Atsuo Isobe
Tetsuji Yamaguchi

IPC: H01L 29/786

The present invention provides a **semiconductor device** capable of being mass-produced. The invention also provides a **semiconductor device** using an extreme thin integrated circuit. The invention provides a low power consumption **semiconductor device** and a manufacturing method. The invention provides a **semiconductor device** that has a semiconductor nonvolatile memory...

在此模式中選擇你的瀏覽結果排序方式。所選擇的排需方式將適用於所有其他模式。

結果排序方式

預設情況下，檢索結果是按相關性排序的。若要更改，請點擊 **排序方式** 下拉選單，並選擇按申請日期、出版/發行日期、出版日期、最早優先權日、失效日或品質和價值對結果進行排序。

設置預設瀏覽模式和選擇顯示欄位，請參考[檢索結果 - 個人化設定](#)。

4. 並排檢視模式



在檢視個別專利的內容時，你可以選擇要檢視的特定資料，包含專利的書目資料、摘要、請求項、說明書與圖式並排檢視，不需要上下滑動頁面來找尋你所需的內容。

BST/("Semiconductor device" AND "manufacturing method")

US7868328B2 Lapsed Quality: C Value: A

Semiconductor device having antenna over thin film integrated circuit

Claim Specification

Abstract Bibliography Claim Specification

A semiconductor device comprising: a thin film integrated circuit over a

由下拉選單選擇要比對的專利資料。

8,516 Patent Families · 13,392 Records

US7868328B2

Semiconductor device having antenna over thin film integrated circuit

FIG. 2A

FIG. 2B

FIG. 2C

你也可以將游標移到螢幕右側，在閱讀該專利文字資料的同時查看相關的圖式。點擊縮圖即可完整呈現專利圖式。

更換檢視清單上的專利只需點擊該專利 (勿直接點擊專利號，此動作會開啟專利頁)。

設置預設瀏覽模式和選擇顯示欄位，請參考[檢索結果 - 個人化設定](#)。

選取

選取檢索結果

您只需要勾選專利號左邊方框，系統會在上方顯示您所選取的專利數量。

| 13,392 records | | | | | | | | | |
|-------------------------------------|---|---------------------------------|--|------------|--------------|---------------|---------------|-----------|-----------------|
| <input type="checkbox"/> | # | Patent No. | Title | Value ↓↑ ? | Quality ↓↑ ? | Simple Family | Appl. Date ↓↑ | Appl. No. | Pub./Issue Date |
| 3 patent(s) selected. | | | | | | | | | |
| <input checked="" type="checkbox"/> | 1 | US20090194803A1 | SEMICONDUCTOR DEVICE AND METHO... | A | C | US(2) | 2009-01-29 | 12/362462 | 2009-08-06 |
| <input checked="" type="checkbox"/> | 2 | US20050263767A1 | Semiconductor device and method for ... | C | C | US(2) | 2005-05-25 | 11/136705 | 2005-12-01 |
| <input checked="" type="checkbox"/> | 3 | US7868328B2 | Semiconductor device having antenna o... | A | C | US(2) | 2009-01-29 | 12/362462 | 2011-01-11 |
| <input type="checkbox"/> | 4 | US7504663B2 | Semiconductor device with a floating ga... | C | C | US(2) | 2005-05-25 | 11/136705 | 2009-03-17 |

選取此頁顯示檢索結果

在左上方全選框打勾，系統會在上方顯示您所選取的專利數量。單頁顯示的專利數可以在[檢索結果 - 個人化設定](#)。

| 13 | | | | | | | | | |
|--|---|---------------------------------|--|------------|--------------|---------------|----|--|--|
| <input checked="" type="checkbox"/> | # | Patent No. | Title | Value ↓↑ ? | Quality ↓↑ ? | Simple Family | | | |
| 30 patent(s) selected. Select all 13,392 patents in this query | | | | | | | | | |
| <input checked="" type="checkbox"/> | 1 | US20090194803A1 | SEMICONDUCTOR DEVICE AND METHO... | A | C | US(2) | 21 | | |
| <input checked="" type="checkbox"/> | 2 | US20050263767A1 | Semiconductor device and method for ... | C | C | US(2) | 21 | | |
| <input checked="" type="checkbox"/> | 3 | US7868328B2 | Semiconductor device having antenna o... | A | C | US(2) | 21 | | |
| <input checked="" type="checkbox"/> | 4 | US7504663B2 | Semiconductor device with a floating ga... | C | C | US(2) | 21 | | |

選取檢索的所有檢索結果

在左上方全選框打勾後，選取檢索結果中全部（數量）篇專利會出現，點擊此連結來選取檢索的所有檢索結果。

設置調整預設每頁顯示專利數量，請參考[檢索結果 - 個人化設定](#)。

由不同結果頁個別選取檢索結果

勾選專利號左邊方框，然後，轉到下一頁，繼續選擇更多的專利。系統將自動顯示到目前為止所選擇的專利數量。

| <input type="checkbox"/> | # | Patent No. | Title | Value | Quality |
|-------------------------------------|----|---------------------------------|---|-------|---------|
| 6 patent(s) selected. | | | | | |
| <input type="checkbox"/> | 31 | US10269753B2 | Semiconductor device and manufacturi... | D | B |
| <input type="checkbox"/> | 32 | US20080150102A1 | SEMICONDUCTOR DEVICE AND MANUF... | C | D |
| <input checked="" type="checkbox"/> | 33 | US7705443B2 | Semiconductor device with lead frame i... | C | D |
| <input checked="" type="checkbox"/> | 34 | US20110039394A1 | MANUFACTURING METHOD OF SEMIC... | D | D |
| <input checked="" type="checkbox"/> | 35 | US20090042387A1 | Manufacturing method of semiconduct... | B | D |
| <input type="checkbox"/> | 36 | US7989317B2 | Manufacturing method of semiconduct... | D | C |
| <input type="checkbox"/> | 37 | US7820526B2 | Manufacturing method of semiconduct... | B | D |
| <input type="checkbox"/> | 38 | US20120161277A1 | SEMICONDUCTOR DEVICES AND SEMIC... | D | D |
| <input type="checkbox"/> | 39 | US20100133647A1 | Semiconductor devices and semicondu... | D | D |
| <input type="checkbox"/> | 40 | US8541841B2 | Semiconductor devices and semicondu... | D | D |
| <input type="checkbox"/> | 41 | US20170294583A1 | CARBON NANOTUBE SEMICONDUCTOR... | D | D |

Prev 1 2 3 4 5 6 7 8 9 10 ... Next

| <input checked="" type="checkbox"/> | # | Patent No. | Title | Value |
|---|----|---------------------------------|---|-------|
| 60 patent(s) selected Select all 13,392 patents in this query | | | | |
| <input checked="" type="checkbox"/> | 31 | US10269753B2 | Semiconductor device and manufacturi... | D |
| <input checked="" type="checkbox"/> | 32 | US20080150102A1 | SEMICONDUCTOR DEVICE AND MANUF... | C |
| <input checked="" type="checkbox"/> | 33 | US7705443B2 | Semiconductor device with lead frame i... | C |
| <input checked="" type="checkbox"/> | 34 | US20110039394A1 | MANUFACTURING METHOD OF SEMIC... | D |
| <input checked="" type="checkbox"/> | 35 | US20090042387A1 | Manufacturing method of semiconduct... | B |
| <input checked="" type="checkbox"/> | 36 | US7989317B2 | Manufacturing method of semiconduct... | D |
| <input checked="" type="checkbox"/> | 37 | US7820526B2 | Manufacturing method of semiconduct... | B |
| <input checked="" type="checkbox"/> | 38 | US20120161277A1 | SEMICONDUCTOR DEVICES AND SEMIC... | D |
| <input checked="" type="checkbox"/> | 39 | US20100133647A1 | Semiconductor devices and semicondu... | D |
| <input checked="" type="checkbox"/> | 40 | US8541841B2 | Semiconductor devices and semicondu... | D |
| <input checked="" type="checkbox"/> | 41 | US20170294583A1 | CARBON NANOTUBE SEMICONDUCTOR... | D |

Prev 1 2 3 4 5 6 7

單頁顯示的專利數可以在[檢索結果 - 個人化設定](#)。

取消全選

若您想要取消勾選您所選擇的單頁全選或所有專利，請先點選「選取檢索結果中全部 ## 篇專利」。

60 patent(s) selected. [Select all 13,392 patents in this query](#)

31  [US10269753B2](#) Semiconductor device and manufacturi... D

然後點擊 清除所有選取。

| <input checked="" type="checkbox"/> | # | Patent No. | Title | Value  |
|-------------------------------------|---|------------|-------|---|
|-------------------------------------|---|------------|-------|---|

All 13,392 patents in this query are selected. [Clear All](#)

31  [US10269753B2](#) Semiconductor device and manufacturi... D

取消全選動作可以在任何結果頁完成。

您可以使用左側的進階篩選列表 以及上方的工具列表幫助您優化檢索結果和分析專利內容。

Keyword Search

Advanced Filter

Patent Office

Patent Type

Assignee/Applicant

| <input type="checkbox"/> | # | | Patent No. | Title |
|--------------------------|---|--|---------------------------------|--|
| <input type="checkbox"/> | 1 | | US20090194803A1 | SEMICONDUCTOR DEVICE AND METHO... |
| <input type="checkbox"/> | 2 | | US20050263767A1 | Semiconductor device and method for ... |

檢索結果工具由左到右：

- [篩選](#) — 展開進階篩選列表
- [螢光筆](#) — 標記檢索結果內的關鍵字
- [比對](#) — 選取二項或多項的專利比對內容
- [合併](#) — 以家族號碼或申請號碼收合檢索結果
- [統計圖表](#) — 根據檢索結果統計基本圖表，包括直條圖、脈絡圖、圓餅圖、以及比例圖
- [匯出](#) — 匯出專利清單或是PDF全文
- [擴展](#) — 加入檢索結果的所有家族成員
- [標籤](#) — 可以使用自訂的標籤標記專利，所有的自訂標籤都會被儲存在專案內的資料夾
- [加入專案](#) — 將專利加入您的專案的資料夾中
- [轉送至](#) — 將檢索結果直接轉至 *Quality Insights* 或是 *Due Diligence* 分析報告

進階篩選



您可以使用檢索結果頁左側的進階篩選功能進一步過濾檢索結果。您可以通過「專利局」、「專利類型」、「文件代碼」、「專利權人/申請人」、「發明人」、「代理人」、「公司」、「代理機構」、「審查委員」、「USPC」、「IPC」、「Locarno」、「CPC」、「FI」，「專利價值」和「專利品質」來篩選您的結果。

點選進階篩選圖標 以執行更精準的檢索

點擊“更多+” 顯示下10個

篩選欄位旁的數字為最初檢索結果下的統計數計，並不會依照二次篩選而調整數量，最新的統計數量請按下篩選後參照右上角的檢索結果。

清除篩選

這裡顯示已套用篩選器的項目

螢光筆



檢索式內的關鍵字會在檢索結果頁面自動被螢光筆標記。

新增更多關鍵字：

1. 在工具列點選螢光筆的圖示開啟此功能
2. 關鍵字列表即會顯示在左側 · 點擊 **+新增關鍵字**
3. 在關鍵字的欄位內打入您想要標記的關鍵字並且按下 **Enter**新的關鍵字則會以新的顏色在結果頁上被標記起來

螢光筆



儲存至關鍵字組合儲存您最常用得關鍵字方便日後檢索：

1. 點擊下拉選單**儲存至關鍵字組合**，您可以儲存至多 10 個列表，每個列表有 40 個關鍵字的容量。您可以選擇任一選單開始儲存您最常用的關鍵字，並且更改選單的名稱。
2. 選擇您想儲存關鍵字的空白組合選單，預設命名為Set 1 到 Set 10

Keywords (4)

Keyword Search: ABST/("Semiconductor device" AND "manufacturing method")

8,597 Patent Families · 13,490 Records

| Appl. Date | Appl. No. | Curr. As |
|------------|----------------|----------|
| 2009-01-29 | 12/362462 | SEMICO |
| 2008-04-29 | 12/111383 | SEMICO |
| 2016-10-24 | 15/332198 | SEMICO |
| 1999-12-14 | 09/460415 | TOSHIBA |
| 2015-02-09 | 201510067440.3 | TOSHIBA |
| 2004-06-09 | 10/865096 | AMKOR |
| 2011-06-29 | 13/171619 | TOKYO E |
| 2006-09-11 | 11/518237 | FUJITSU |
| 2002-06-21 | 10/177833 | ABLIC IN |
| 2002-08-22 | 10/225128 | RENESA |
| 2006-04-28 | 200610077224.8 | SEMICO |
| 2021-07-29 | 17/388842 | SHANGH |
| 2020-12-09 | 17/117090 | UNITED |

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更改關鍵字組合的名稱：

3. 點擊下拉選單選擇欲更名的關鍵字組合
4. 點擊編輯圖示重新命名

螢光筆



更換顯示的關鍵字組合

1. 關鍵字列表上點擊下拉選單
2. 選擇要取代的已儲存的關鍵字組合即可替換

The screenshot shows a search interface with a search bar containing the query "ABST/('Semiconductor device' AND 'manufacturing method')". Below the search bar, there is a "Keywords (4)" section with a list of keywords: "Semiconductor device (4/40)", "semicor (28)", "manufa (16)", "method (24)", and "layer (2)". A dropdown menu is open for the "Semiconductor device" keyword, showing a list of saved keyword sets: "java (3/40)", "car (4/40)", "Set 3 (3/40)", "Set 4 (20/40)", "Set 5 (3/40)", "Set 6 (4/40)", "Set 7 (4/40)", "Semiconductor (4/40)", "Set 9 (0/40)", and "Set 10 (0/40)". The "Semiconductor" option is highlighted. The background shows a table of patent records with columns for "Appl. Date", "Appl. No.", and "Curr. As".

The screenshot shows the search interface after the keyword replacement. The "Keywords (3)" section now lists: "java (3/40)", "java (0)", "system (2)", and "framworl (0)". The "Semiconductor" keyword has been replaced by "java". The table of patent records is visible, showing columns for "#", "Patent No.", and a list of patent numbers: "US7868328B2", "US7969007B2", "US10388538B2", "US6505090B1", and "CN105321802A".

比對



Patent Search 和 Patent Vault 均允許用戶快速且輕鬆地比較兩項專利。勾選兩項專利左側的框，並點擊比對，您將進入比較頁面。兩個選定的專利將會被並排顯示。

專利比對：

1. 勾選一或多至二十個專利左側的框。
2. 點擊比對圖示。將會開一個專利比對的新分頁。
3. 將要比對的二個專利拖曳到任一閱讀匡中，您也可以拖曳同一個專利在在左右閱讀匡進行單一專利中比對不同的資訊。

Keyword **Compare** 13,490 records

| <input type="checkbox"/> | # | Patent No. | Title | Appl. Date ↓↑ | Appl. No. | Curr. Assignee |
|-------------------------------------|---|---------------------------------|---|---------------|-----------|--------------------------|
| 4 patent(s) selected. | | | | | | |
| <input checked="" type="checkbox"/> | 1 | US20090194803A1 | SEMICONDUCTOR DEVICE AND METHOD FOR MANUF... | 2009-01-29 | 12/362462 | SEMICONDUCTOR ENERGY ... |
| <input checked="" type="checkbox"/> | 2 | US20050263767A1 | Semiconductor device and method for manufacturing t... | 2005-05-25 | 11/136705 | SEMICONDUCTOR ENERGY ... |
| <input checked="" type="checkbox"/> | 3 | US7868328B2 | Semiconductor device having antenna over thin film int... | 2009-01-29 | 12/362462 | SEMICONDUCTOR ENERGY ... |
| <input checked="" type="checkbox"/> | 4 | US7504663B2 | Semiconductor device with a floating gate electrode th... | 2005-05-25 | 11/136705 | SEMICONDUCTOR ENERGY ... |
| <input type="checkbox"/> | 5 | US20080277793A1 | Semiconductor Device and Manufacturing Method The... | 2008-04-29 | 12/111383 | SEMICONDUCTOR COMPO... |
| <input type="checkbox"/> | 6 | US7969007B2 | Semiconductor device and manufacturing method ther... | 2008-04-29 | 12/111383 | SEMICONDUCTOR COMPO... |

顯示/隱藏專利

Patent list (4)

US20090194803A1
SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME

US20050263767A1
Semiconductor device and method for manufacturing the same

US7868328B2
Semiconductor device having antenna over thin film integrated circuit

US7504663B2
Semiconductor device with a floating gate electrode that includes a plurality of particles

US20090194803A1 PGPub - Granted

Quality: C Value: A Risk Rel...

SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME

Full Text Simple Family Extended Family Citatic

Abstract (Other language versions are not available.)

The present invention provides a semiconductor device capable of being mass-produced and a manufacturing method of the semiconductor device. The present invention also provides a semiconductor device using an extreme thin integrated circuit and a manufacturing method of the semiconductor device. Further, the present invention provides a low power consumption semiconductor device and a manufacturing method of the semiconductor device. According to one aspect of the present invention, a semiconductor device that has a semiconductor nonvolatile memory element transistor over an insulating surface in which a floating gate electrode of the memory transistor is formed by a plurality of conductive particles or semiconductor particles is provided.

Figure (29)

US7868328B2 Lapsed

Claim# 1
A semiconductor device comprising: a thin film integrated circuit over a substrate; a first interlayer insulating film over the thin film integrated circuit; an antenna over the first interlayer insulating film; and a cover member comprising a biodegradable resin over the antenna, wherein the thin film integrated circuit and the antenna are adhered to the substrate and the cover member with an adhesive agent.

Claim# 6
A semiconductor device comprising: a thin film integrated circuit over a substrate; a first interlayer insulating film over the thin film integrated circuit; an antenna over the first interlayer insulating film; a barrier film over the antenna; and a cover member comprising a biodegradable resin over the barrier film, wherein the thin film integrated circuit and the antenna are adhered to the substrate and the cover member with an adhesive agent, and wherein the barrier film is formed between the antenna and the cover member.

Claim# 13
A semiconductor device comprising: a memory element

Patent Search 也提供 [螢光筆](#) 和 [筆記](#) 工具在比對頁面。

合併



以申請號或是專利家族合併專利。

合併專利：

1. 點選合併圖示
2. 選擇申請號或是專利家族合併專利。

Keyword Search **Collapse** ABST/("Semiconductor device" AND "manufacturing method") | 8,597 Patent Families | 13,490 Records

| # | Title | Appl. Date | Appl. No. | Curr. Assignee |
|---|--|------------|----------------|--------------------------|
| 1 | Semiconductor device having antenna over thin ... | 2009-01-29 | | |
| | SEMICONDUCTOR DEVICE AND METHOD FOR ... | 2009-01-29 | | SEMICONDUCTOR ENERGY ... |
| | Semiconductor device with a floating gate elect... | 2005-05-25 | 11/136705 | SEMICONDUCTOR ENERGY ... |
| | Semiconductor device and method for manufac... | 2005-05-25 | 11/136705 | SEMICONDUCTOR ENERGY ... |
| | Semiconductor device and manufacturing meth... | 2008-04-29 | 12/111383 | SEMICONDUCTOR COMPO... |
| | Semiconductor device and manufacturing meth... | 2016-10-24 | 15/332198 | SEMICONDUCTOR ENERGY ... |
| | Semiconductor device manufacturing method, ... | 1999-12-14 | 09/460415 | TOSHIBA KK |
| 5 | Manufacturing method for semiconductor device | 2015-02-09 | 201510067440.3 | TOSHIBA MEMORY CORP |
| 6 | Encapsulated sensor device | 2004-06-09 | 10/865096 | AMKOR TECHNOLOGY SIN... |
| 7 | Semiconductor device and semiconductor devi... | 2011-06-29 | 13/171619 | TOKYO ELECTRON LTD |

顯示合併後的申請號或是專利家族數量。

點選“+”展開被合併的專利。

Preferences

Search Setting Patent List **Collapse Settings**

By Appl. No.

Preferred Date (Pub./Issue Date) Most Recent Earliest

By Family

Preferred Date (Pub./Issue Date) Most Recent Earliest

Reset to Default Cancel **OK**



代表專利則為合併後排序第一的專利，在簡易檢索，進階檢索和號碼檢索結果中代表專利與個人化設定的排序有關。若依“最近”排序且以專利家族合併，代表專利將是最新的公開公告專利。

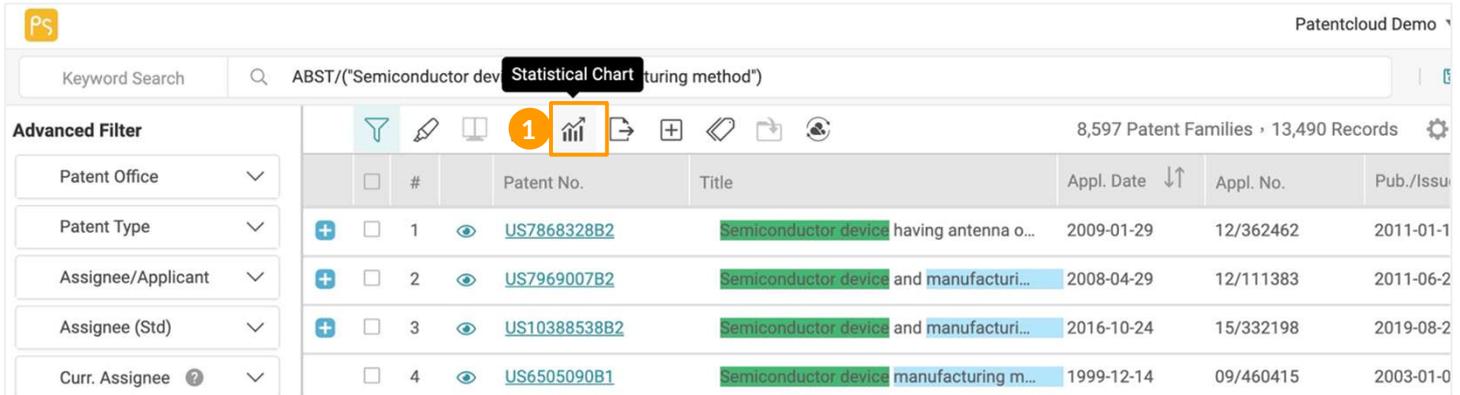
語意檢索則是以結果最相關的該專利家族成員為代表專利。

統計圖表

Patent Search 提供在檢索後基於各種數據提供基本分析。

操作步驟：

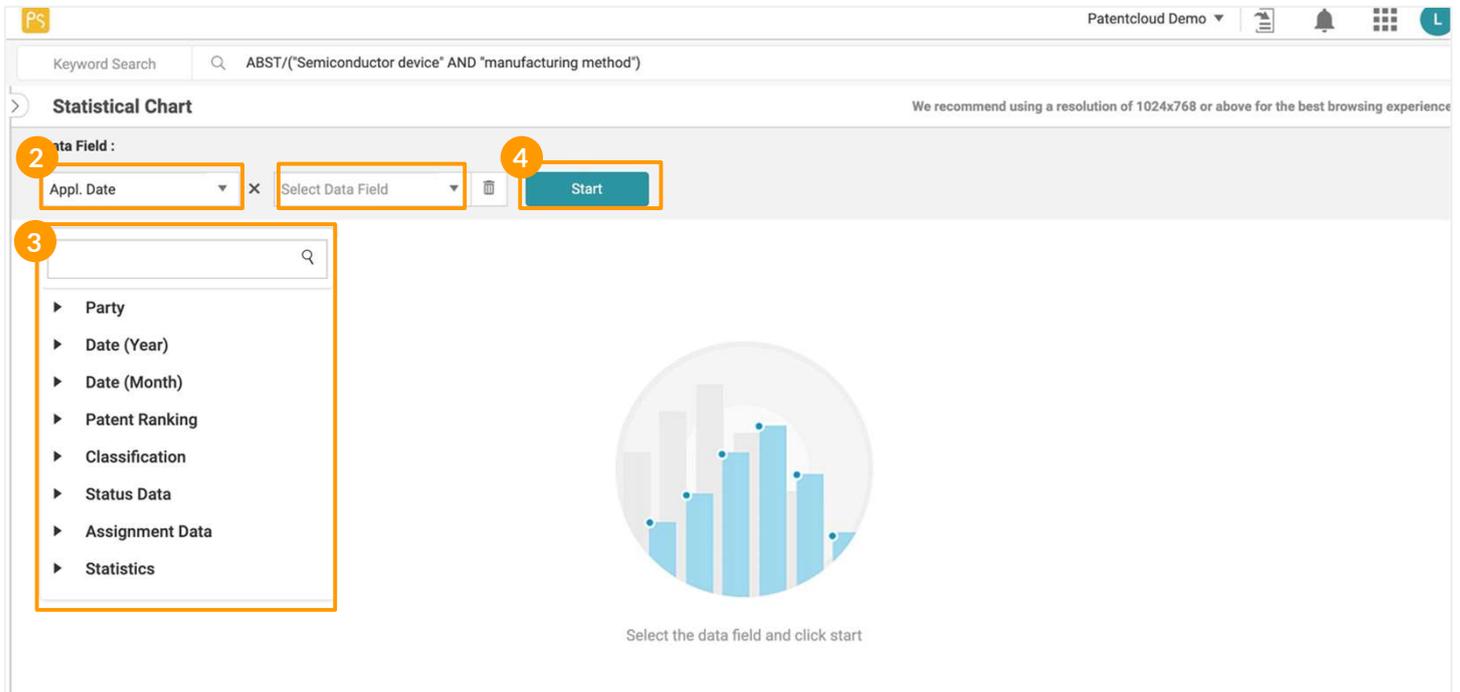
1. 按下統計圖表圖示，您會被帶到統計功能的頁面。



Statistical Chart

| Patent No. | Title | Appl. Date | Appl. No. | Pub./Issu |
|--------------|--|------------|-----------|-----------|
| US7868328B2 | Semiconductor device having antenna o... | 2009-01-29 | 12/362462 | 2011-01-1 |
| US7969007B2 | Semiconductor device and manufacturi... | 2008-04-29 | 12/111383 | 2011-06-2 |
| US10388538B2 | Semiconductor device and manufacturi... | 2016-10-24 | 15/332198 | 2019-08-2 |
| US6505090B1 | Semiconductor device manufacturing m... | 1999-12-14 | 09/460415 | 2003-01-0 |

2. 在資料欄位您可以看到下拉目錄，
3. 使用此目錄選擇您想要包含在統計圖表的項目。
4. 選取資料後，統計圖表會顯示如下頁圖；以下例子中包含兩個資料欄。



Statistical Chart

We recommend using a resolution of 1024x768 or above for the best browsing experience

Data Field: Appl. Date × Select Data Field Start

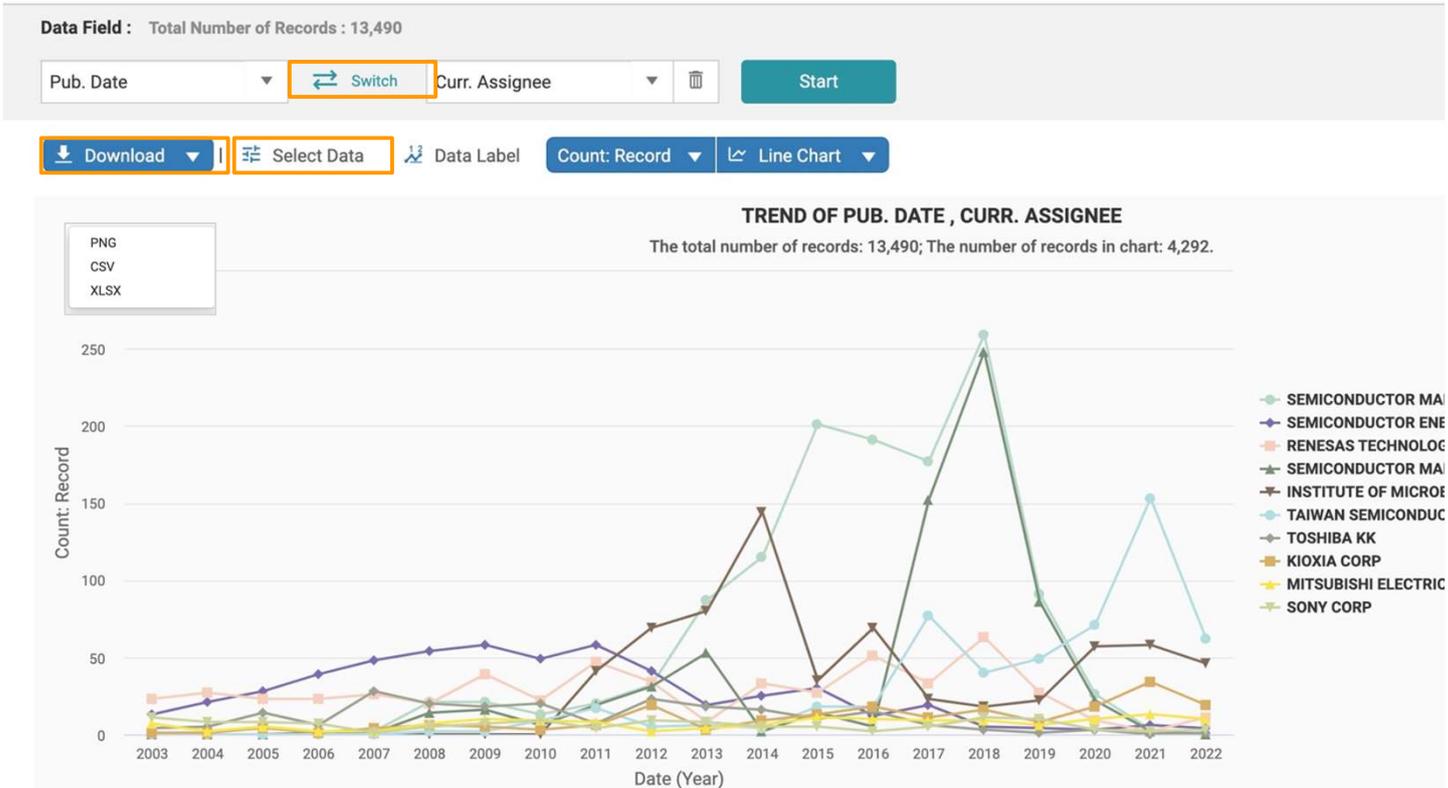
- Party
- Date (Year)
- Date (Month)
- Patent Ranking
- Classification
- Status Data
- Assignment Data
- Statistics

Select the data field and click start

統計圖表

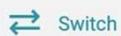


生成圖表後，你可以使用統計圖表頁面的各種工具來定製圖表中使用和顯示的數據。



統計圖表工具：

交換



若圖表是由二個資料欄位生成，按下**交換**，**開始分析**可以交換X軸與*軸的資料欄位。

下載



你可以將圖表下載為.png圖片文件，或下載.csv或.xlsx格式的表單。

選取資料



默認情況下，統計圖在分析所選字段時提供前10條記錄。使用「選擇資料」來調整顯示的記錄數。你最多可以選擇100條記錄，超過這個數字的記錄將不會被顯示。

Select Data : Info Close

Switch the X and Y axis

Pub. Date Curr. Assignee

CHINESE ACADEMY OF SCIENCES

TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD

TOSHIBA KK

KIOXIA CORP

MITSUBISHI ELECTRIC CORP

SONY CORP

FUJITSU SEMICONDUCTOR

Cancel Apply

默認情況下，統計圖表在分析所選字段時提供前10項記錄。使用「選擇資料欄位」來調整顯示的記錄數。你最多可以選擇100條記錄，超過這個數字的記錄將不會被顯示。

統計圖表



統計圖表工具：

資料標籤

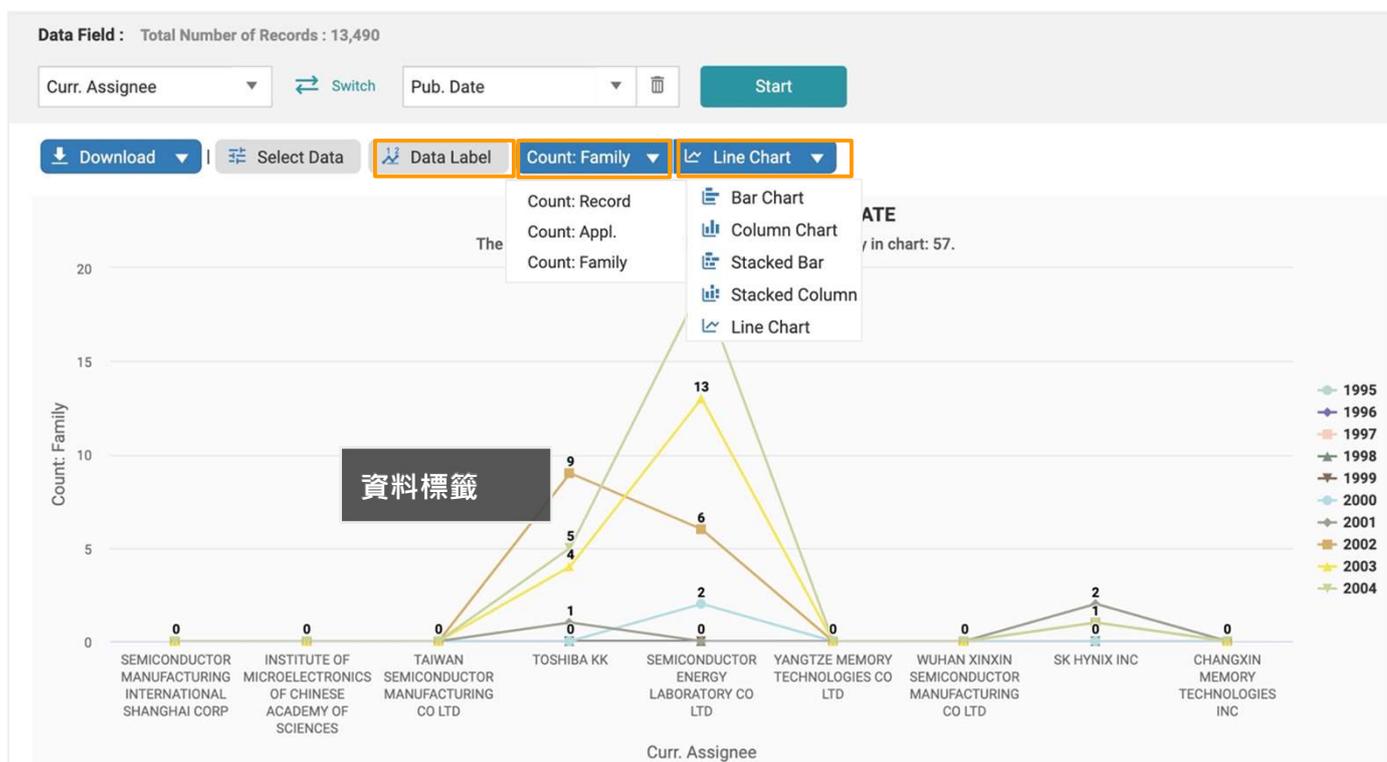
Data Label

點擊資料標籤 顯示圖表上的數值。

計數

Count: Family

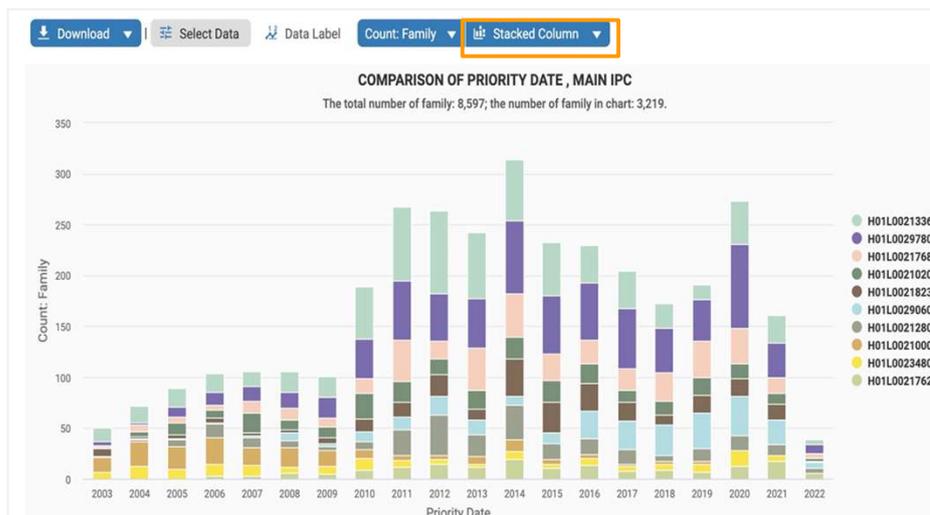
選擇顯要顯示的數字計數 — 依專利文件，依申請，依家族計數。



圖形

Line Chart

您也可用其他形式做統計圖表 (例如直方圖等)，但這些統計圖表無法使用在以時間為數據的資料。點選直方圖的標誌，您亦可以選取其他相關圖表。



統計圖表



統計圖表工具：

篩選

利用左側篩選選單得出更精準的結果，請點選您欲使用的參數，再按**篩選**即可。若您找不到篩選選單，按左上方箭頭，選單即會顯現。

Advanced Filter [Clear All](#) <

Patent Office, Legal Status

Patent Office

- (6571) CN - China
- (5509) US - United States
- (827) WO - WIPO
- (534) EP - EPO
- (29) SG - Singapore
- (15) MY - Malaysia
- (2) EA - Eurasian Pa...
- (2) PH - Philippines
- (1) UA - Ukraine

Patent Type

- (13465) Utility Patent
- (25) Utility Model

Assignee/Applicant

Assignee (Std)

Filter

Statistical Chart We recommend using a resolution of 1024

Data Field : Total Number of Records : 13,490

Assignee (Std) × Select Data Field [trash icon] Start

Download | Select Data | Data Label | Count: Family | Column Chart

COMPARISON OF ASSIGNEE (STD)

The total number of family: 8,597; the number of family in chart: 3,624.

| Assignee (Std) | Count: Family |
|--|---------------|
| SEMICONDUCTOR MANUFACTURING COMPANY LIMITED | ~1200 |
| INSTITUTE OF MICROELECTRONICS AND TECHNOLOGY | ~550 |
| SEMICONDUCTOR MANUFACTURING COMPANY LIMITED | ~550 |
| TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LIMITED | ~450 |
| RENESAS TECHNOLOGY CORP | ~350 |
| TOSHIBA KK | ~300 |
| SEMICONDUCTOR ENERGY LIMITED | ~250 |
| MITSUBISHI ELECTRIC CORP | ~200 |
| YANGTZE MEMORY TECHNOLOGY CO., LTD | ~180 |
| FUJITSU LTD | ~150 |

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匯出



將檢索結果導出為多種格式，包括專利清單 (.xls 格式)，專利全文和專利主頁 (.pdf格式)。

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1. 選擇要匯出的專利後點擊匯出圖示。
2. 在彈出的視窗中選擇匯出檔案的類型。
3. 選擇匯出的類型、項目和欄位 (注意每月匯出額度*)。
4. 命名匯出檔案的名稱。
5. 點擊匯出下載檔案。

Keyword Search: ABST/("Semiconductor device" AND "manufacturing method")

Advanced Filter: 8,597 Patent Families · 13,490 Records

Export Dialog:

- 1. Export button
- 2. File Type: Patent List (xlsx) selected
- 3. Export Fields: Selected Fields selected. Fields include Patent Office, Appl. No., Title, Appl. Date, etc.
- 4. File Name: Patentlist-Patentcloud
- 5. Export button

Maximum Export per Month:

- Patent List (xlsx): 10000/100000
- Full Text (PDF): 0/10000
- Front Page (PDF): 0/10000

* 每月匯出額度：

Patent Search 每月匯出額度：10,000 件專利清單 (.xlsx/.csv) and 1,000 篇專利全文/首頁 (.pdf)。

僅選取合併後的代表專利

若您以專利家族或是申請號合併檢索結果，並且想要匯出合併後的結果，您可以在匯出時選定**僅選取合併後的代表專利**。

| | | | Patent No. | Title | Appl. Date | Appl. No. |
|-------------------------------------|--------------------------|---|-----------------------------|----------------------------|------------|-----------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1 | US7868328B2 | device having antenna o... | 2009-01-29 | 12/362462 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2 | US7969007B2 | device and manufacturi... | 2008-04-29 | 12/111383 |

代表專利

擴展



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1. 選取你想要新增的專利家族的專利
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Keyword Search: ABST/Expand ductor device" AND "manufacturing method")

534 records

| # | Patent No. | Title | Appl. Date | Appl. No. | Pub./Issue Date | Curr. Assignee |
|---|-----------------------------|------------------------------------|------------|------------|-----------------|--------------------------|
| 1 | EP3373337B1 | METHOD FOR PRODUCING A CARBON ... | 2016-09-05 | 16843280.5 | 2021-03-03 | BOE TECHNOLOGY GROUP ... |
| 2 | EP3373337A1 | CARBON NANOTUBE SEMICONDUCTOR... | 2016-09-05 | 16843280.5 | 2018-09-12 | BOE TECHNOLOGY GROUP ... |
| 3 | EP2963688A3 | SEMICONDUCTOR DEVICE WITH A VER... | 2015-06-24 | 15173558.6 | 2016-01-06 | AVAGO TECHNOLOGIES INT.. |

EP3373337B1, EP3373337A1

BST/("Semiconductor device" AND "manufacturing method")

Expanded Results (Family) : 2 Patent Families · 22 Records

| # | Patent No. | Title | Appl. Date | Appl. No. | Pub./Iss | Assignee |
|---|---------------------------------|---|------------|-------------------|------------|--------------------------|
| 1 | EP3373337B1 | METHOD FOR PRODUCING A CARBON ... | 2016-09-05 | 16843280.5 | 2021-03-03 | BOE TECHNOLOGY GROUP ... |
| | CN105336792B | 碳纳米管半导体器件及其制备方法 | 2015-11-02 | 201510729479.7 | 2019-03-07 | BOE TECHNOLOGY GROUP ... |
| | EP3373337A1 | CARBON NANOTUBE SEMICONDUCTOR... | 2016-09-05 | 16843280.5 | 2018-09-12 | BOE TECHNOLOGY GROUP ... |
| | US20170294583A1 | CARBON NANOTUBE SEMICONDUCTOR... | 2016-09-05 | 15/512299 | 2017-10-12 | BOE TECHNOLOGY GROUP ... |
| | WO2017/076121A1 | CARBON NANOTUBE SEMICONDUCTOR... | 2016-09-05 | PCT/CN2016/098035 | 2017-05-11 | BOE TECHNOLOGY GROUP ... |
| | CN105336792A | Carbon nanotube semiconductor device... | 2015-11-02 | 201510729479.7 | 2016-02-17 | BOE TECHNOLOGY GROUP ... |
| 2 | US20210108953A1 | Flow Sensor, Method for Manufacturing ... | 2020-12-22 | 17/130247 | 2021-04-15 | HITACHI ASTEMO I... |
| | US10921169B2 | Flow sensor, method for manufacturing ... | 2017-11-15 | 15/814036 | 2021-02-16 | HITACHI ASTEMO I... |
| | EP3660470A1 | FLOW SENSOR AND METHOD FOR MAN... | 2010-12-10 | 19209512.3 | 2020-06-03 | HITACHI AUTOMOT... |

滑鼠懸停在此圖示來顯示在步驟1選取的專利

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為專利標記標籤：

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37,226 records

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|---|-----------------|-----------|------------|-----------|-----------------|------------------------|
| 1 | US20090194803A1 | Risk | High | Medium | Low | 362462 2009-08-06 SEMI |
| 2 | US20050263767A1 | Relevance | High | Medium | Low | 136705 2005-12-01 SEMI |
| 3 | US7868328B2 | | | | | 362462 2011-01-11 SEMI |
| 4 | US7504663B2 | | | | | 136705 2009-03-17 SEMI |
| 5 | US20080277793A1 | | | | | 111383 2008-11-13 SEMI |

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|-----------|------|--------|-----|--------|
| Risk | High | Medium | Low | |
| Relevance | High | Medium | Low | |
| Team | A | B | C | |
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BST/("Semiconductor device" AND "manufacturing m" **Add to Project** | Save Query

37,234 records

| <input checked="" type="checkbox"/> | # | Patent No. | Title | Appl. Date | Appl. No. | Pub./Issue Date | Curr. Assi |
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| 30 patent(s) selected. Select all 37,234 patents in this query. | | | | | | | |
| <input checked="" type="checkbox"/> | 1 | US20090194803A1 | SEMICONDUCTOR DEVICE AND METHO... | 2009-01-29 | 12/362462 | 2009-08-06 | SEMICON |
| <input checked="" type="checkbox"/> | 2 | US20050263767A1 | Semiconductor device and method for ... | 2005-05-25 | 11/136705 | 2005-12-01 | SEMICON |
| <input checked="" type="checkbox"/> | 3 | US7868328B2 | Semiconductor device having antenna o... | 2009-01-29 | 12/362462 | 2011-01-11 | SEMICON |
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ABST/("Semiconductor device" AND "manufacturing method") **Forward to**

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| <input checked="" type="checkbox"/> | 1 | US7868328B2 | Semicond... | 01-29 | 12/362462 | 2011-01 |
| <input checked="" type="checkbox"/> | 2 | US7969007B2 | Semiconductor device and manufacturi... | 2008-04-29 | 12/111383 | 2011-06 |
| <input checked="" type="checkbox"/> | 3 | JP2021-101466A | TRANSISTOR AND LIQUID CRYSTAL DIS... | 2021-02-16 | P2021-022520 | 2021-07 |
| <input checked="" type="checkbox"/> | 4 | US6505090B1 | Semiconductor device manufacturing m... | 1999-12-14 | 09/460415 | 2003-01 |
| <input checked="" type="checkbox"/> | 5 | CN105321802A | Manufacturing method for semiconduct... | 2015-02-09 | 201510067440.3 | 2016-02 |

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|--|--------------------------|---|--|------------------------------|--|------------|-----------|---------------|
| | <input type="checkbox"/> | 1 | | US7868328B2 | Semiconductor device having antenna o... | 2009-01-29 | 12/362462 | 2011-01-11 |
| | <input type="checkbox"/> | 2 | | US7969007B2 | Semiconductor device and manufacturi... | 2008-04-29 | 12/111383 | 2011-06-28 |
| | <input type="checkbox"/> | 3 | | US10388538B2 | Semiconductor device and manufacturi... | 2016-10-24 | 15/332198 | 2019-08-20 |
| | <input type="checkbox"/> | 4 | | US6503090B1 | Semiconductor device manufacturing m... | 1999-12-14 | 09/460415 | 2003-01-07 |

Patentcloud
Project_20220330_1 7

US10388538B2 Active

Quality: D Value: B Risk Rel...

Semiconductor device and manufacturing method thereof

Full Text
Simple Family
Extended Family
Citations
History
Original Document

Abstract (Other language versions are not available.)

An object of the present invention to provide a highly reliable semiconductor device. Another object is to provide a manufacturing method of a highly reliable semiconductor device. Still another object is to provide a semiconductor device having low power consumption. Yet another object is to provide a manufacturing method of a semiconductor device having low power consumption. Furthermore, another object is to provide a semiconductor device which can be manufactured with high mass productivity. Another object is to provide a manufacturing method of a semiconductor device which can be manufactured with high mass productivity. An impurity remaining in an oxide semiconductor layer is removed so that the oxide semiconductor layer is purified to have an extremely high purity. Specifically, after adding a halogen element into the oxide semiconductor layer, heat treatment is performed to remove an impurity from the oxide semiconductor layer. The halogen element is preferably fluorine.

Bibliography

Earliest Priority : 2010-03-05
Earliest Appl. : 2011-02-25
Legal Status : Estimated Exp. Date: 2031-02-25. 20 years from filing date
 2011-02-25 of 13/034726 Last Updated On 2022-03-09
Curr. Assignee : [SEMICONDUCTOR ENERGY LABORATORY CO LTD](#) 2019-09-23
Assignee (Std) : [SEMICONDUCTOR ENERGY LABORATORY CO LTD](#)
 [+Orig_Assignee]
Patent Family : 15 Members([Family ID : 44530525](#))

Figure (23)

更多專利資訊頁的工具使用說明：[螢光筆](#) · [比對](#) · [筆記](#) · [標籤](#) · [加入專案](#) · [轉送至](#)。

全文

查看專利的基本信息，如標題、摘要、法律狀態、說明書、質量和價值指標、書目、圖示和權利項。

US8996003B2 Active

Quality: A Value: A 顯示/隱藏搜尋結果頁或Patent Vault中設置的標籤。

Method, terminal, and system for cell reselection

Full Text Simple Family Extended Family Citations History SEP Declarations Litigation Original Document

Abstract (Other language versions are not available.)

A method, terminal, system and computer readable medium for cell reselection are disclosed. When in a cell of a Long Term Evolution (LTE) system, the terminal receives a message from the LTE system. The message includes a dedicated priority list for the cell reselection. When the terminal camps on a cell of a non-LTE system, the terminal performs inter-system cell reselection in accordance with the dedicated priority list before a valid time of the dedicated priority list expires. With the disclosed method, terminal and system, the problems of establishing a dedicated priority list causes too much increased signaling and too high costs for network update in the prior art when perform inter-system cell (re)selection are effectively resolved.

點擊鏈接會引導你進入搜尋的搜尋結果頁面。

Bibliography

Earliest Priority : 2008-04-09
Earliest Appl. : 2009-04-08
Legal Status : Estimated Exp. Date: 2029-04-08. 20 years from filing date
2009-04-08 of PCT/CN2009/071194 Last Updated On 2022-10-07
Curr. Assignee : [HUAWEI TECHNOLOGIES CO LTD](#) 2022-05-10
Assignee (Std) : [HUAWEI TECHNOLOGIES CO LTD](#) [-Orig. Assignee]
Orig. Assignee : [Huawei Technologies Co., Ltd.\(Shenzhen CN\)](#)
Applicant : [HUAWEI TECHNOLOGIES CO., LTD.\(Shenzhen, Guangdong CN\)](#)
Patent Family : 23 Members(Famil ID : 41161553)

Figure (4)

擊圖示查看大圖。

Specification (Other language versions are not available.)

BRIEF DESCRIPTION OF THE INVENTION

This application is a continuation of U.S. patent application Ser. No. 13/072,494, filed on Nov. 8, 2012, which is a continuation of U.S. patent application Ser. No. 12/902,933, filed on Oct. 12, 2010, and issued on Apr. 2, 2013 as U.S. Pat. No. 8,412,197, which in turn is a continuation of International Patent Application No. PCT/CN2009/071194, filed on Apr. 8, 2009. The International Patent Application claims priority to Chinese Patent Application No. 200810091957.6, filed on Apr. 9, 2008. The aforementioned patent applications and patent are hereby incorporated by reference in their entireties.

[0002]
This application is related to U.S. Pat. No. 8,041,355, filed on Nov. 29, 2010, and issued on Oct. 18, 2011, and U.S. Pat. No. 8,185,111, filed on Oct. 10, 2011, and issued on May 22, 2012.

FIELD OF THE INVENTION

[0003]
The invention relates to a field of mobile communications, and more particularly, to a method, terminal, and system for cell reselection.

BACKGROUND

[0004]
With developments in the mobile communication field, various mobile communication

Claim (Other language versions are not available.)

20 Claims | 2 Independent Claims

1. A method, comprising: a computer program code including executable instructions, which, when executed by a terminal device, cause the terminal device to perform a method for cell reselection as follows: in a cell of a Long Term Evolution (LTE) system, a message including a dedicated priority list from the LTE system; and when the terminal device camps on a cell of a non-LTE system, the terminal device performs inter-system cell reselection in accordance with the dedicated priority list before a valid time of the dedicated priority list expires.

可切換檢視：
● 獨立請求項
● 請求項樹狀圖
● 請求項清單

An apparatus comprising: a non-transitory storage medium including executable instructions; and a processor; wherein the executable instructions, when executed by the processor, cause the apparatus to: receive, when in a cell of a Long Term Evolution (LTE) system, a message including a dedicated priority list from the LTE system; and perform, when camping on a cell of a non-



更多專利資訊頁的工具使用說明：[螢光筆](#)，[比對](#)，[筆記](#)，[標籤](#)，[加入專案](#)，[轉送至](#)。

簡單專利家族

該專利的簡單家族*成員清單。成員之專利申請優先權均相同 (同一專利，不同申請國家)。

使用清單模式的搜尋欄篩選和家族 ID、專利號、名稱、申請號、申請日、最早優先權日、法律狀態相關的資訊。

US8904289B2 Active

Quality : B Value : AAA Risk Rel...

Play control of content on a display device

Full Text **Simple Family** Extended Family Citations History Litigation Original Document

Simple Family : 13

| # | Patent No. | Title | Legal Status | Appl. Date | Appl. No. | Earliest Priority | Family ID |
|---|----------------------------------|---|-----------------|------------|-------------------|-------------------|--------------------------|
| 1 | KR1020140051850A | PLAY CONTROL OF CONTENT ON A DISPLAY ... | Abandoned Appl. | 2012-04-12 | 1020137030600 | 2011-04-21 | 47022227 |
| 2 | US8904289B2 | Play control of content on a display device | Active | 2011-06-10 | 13/157821 | 2011-04-21 | 47022227 |
| 3 | US8782528B2 | Play control of content on a display device | Active | 2013-01-08 | 13/736590 | 2011-04-21 | 47022227 |
| 4 | WO2012/145227A1 | PLAY CONTROL OF CONTENT ON A DISPLAY ... | PCT End - NP | 2012-04-12 | PCT/US2012/033314 | 2011-04-21 | 47022227 |
| 5 | CN103748531A | Play control of content on a display device | Abandoned Appl. | 2012-04-12 | 201280030724.X | 2011-04-21 | 47022227 |
| 6 | CA2833970A1 | PLAY CONTROL OF CONTENT ON A DISPLAY ... | Abandoned Appl. | 2012-04-12 | 20122833970 | 2011-04-21 | 47022227 |

家族樹狀圖模式 提供視覺化的圖表讓您在瀏覽專利局和申請的時間進程時一目瞭然。

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Simple Family : 13

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SG JP KR WO EP MX CN US

US8782528B2

Play control of content on a display device

Active

Abstract

A system for presenting and controlling content on a display device includes a network, a server system coupled to the network and comprising one or more servers, a display device coupled to the network and having a display, and a personal computing device operable to transmit a first message according to a specified format over the network. The server system is operable, in response to receiving the first message from the personal computing device, to provide to the display device a second message identifying the user-selected content and the media player to play the content. In response to receiving the second message, the display device is operable to obtain a first media player needed to play the content, to load the media player and to present the content on the display.

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US8904289B2 Active

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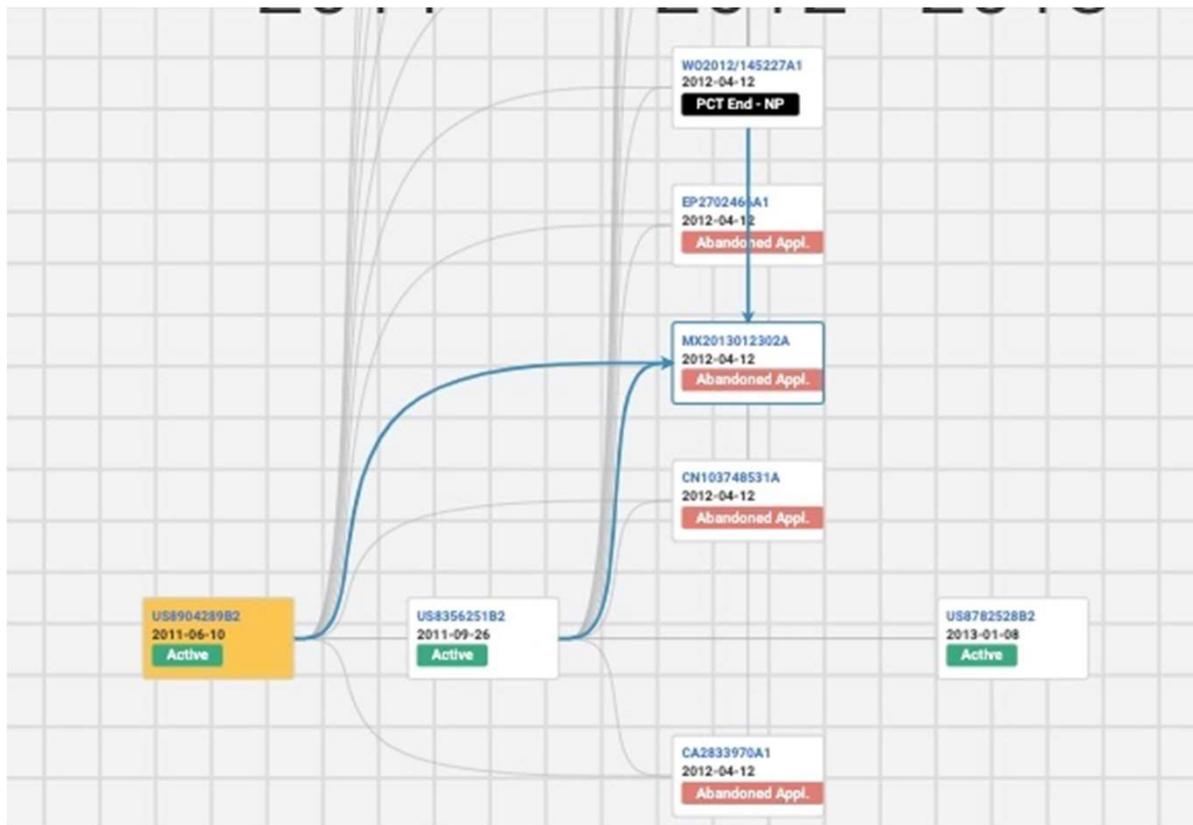
AU2012245767A1
2012-04-12
Abandoned Appl.

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SG194565A1
2012-04-12
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US8904289B2 Active

Quality: B Value: AAA ↶ Risk Rel...

Play control of content on a display device

[Full Text](#)
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Extended Family : 19 ☰ 🔍

| | # | Patent No. | Title | Legal Status | Appl. Date | Appl. No. | Earliest Priority | Family ID |
|---|--------------------------|----------------------------------|--|-----------------|------------|----------------|-------------------|--------------------------|
| + | <input type="checkbox"/> | US8904289B2 | Play control of content on a display device | Active | 2011-06-10 | 13/157821 | 2011-04-21 | 47022227 |
| + | <input type="checkbox"/> | US8356251B2 | Play control of content on a display device | Active | 2011-09-26 | 13/245001 | 2011-04-21 | 47022227 |
| | <input type="checkbox"/> | AU2012245767A1 | Play control of content on a display device | Abandoned Appl. | 2012-04-12 | 20120245767 | 2011-04-21 | 47022227 |
| | <input type="checkbox"/> | BR112013027106A2 | controle de reprodução de conteúdo em um di... | Abandoned Appl. | 2012-04-12 | 20131127106 | 2011-04-21 | 47022227 |
| | <input type="checkbox"/> | CA2833970A1 | PLAY CONTROL OF CONTENT ON A DISPLAY ... | Abandoned Appl. | 2012-04-12 | 20122833970 | 2011-04-21 | 47022227 |
| | <input type="checkbox"/> | CN103748531A | Play control of content on a display device | Abandoned Appl. | 2012-04-12 | 201280030724 X | 2011-04-21 | 47022227 |

* 擴展專利家族是使用來自EPO IPADOC的擴展家族號。

若專利權人申請的專利技術相似，即會歸類為擴展家族成員，所以擴展家族成員可能會有不同的優先權日。

引證資訊

指與當前專利申請相關的先前專利 (或前案) 的參考。有兩種不同類型引證：「被引證 (forward)」和「引證 (backward)」。「引證」是此專利申請審查所引用的專利，而「被引證」則是引用此專利的後來專利。

US8904289B2 Active

Quality: B Value: AAA Risk Rel...

Play control of content on a display device

Full Text Simple Family Extended Family **Citations** History Litigation Original Document

^ **Forward (Referenced By) : 78**

| # | Patent No. | Title | Appl. Date | Appl. No. | Assignee (Std) | Earliest Priority | Family ID |
|---|---------------------------------|--------------------------------------|------------|----------------|----------------------------|-------------------|-----------|
| 1 | US20170353506A1 | DYNAMICALLY ENABLING USER DEVICE ... | 2017-08-22 | 15/683338 | GUEST TEK INTERACTIVE E... | 2012-06-22 | 49775366 |
| 2 | US20190129587A1 | GENERATING A PLAYLIST BASED ON CO... | 2018-12-24 | 16/231809 | LEAF GROUP LTD | 2013-05-14 | 51896839 |
| 3 | US9038908B2* | * 被審查委員引用 | 2013-04-10 | 13/860296 | XEROX CORP | 2013-04-10 | 51686563 |
| 4 | CN105264902A* | | 2014-05-08 | 201480027596.2 | GOOGLE LLC | 2013-05-14 | 51896838 |
| 5 | CN105264902B* | 用于多用户、多平台、多设备环境中的通... | 2014-05-08 | 201480027596.2 | GOOGLE LLC | 2013-05-14 | 51896838 |

^ **Backward (References Cited) : 284**

| # | Patent No. | Title | Appl. Date | Appl. No. | Assignee (Std) | Earliest Priority | Family ID |
|---|---------------------------------|--|------------|-----------|---------------------------|-------------------|-----------|
| 1 | US20090094331A1 | INFORMATION PROCESSING UNIT, CON... | 2008-09-26 | 12/238701 | NOBORI FUJIO | +2 2007-10-05 | 40524247 |
| 2 | US20020120666A1 | Apparatus and accompanying methods ... | 2001-09-13 | 09/950963 | LANDSMAN RICK W | +1 1998-05-15 | 26763158 |
| 3 | US20040268451A1 | Graphical user interface for browsing, se... | 2004-04-26 | 10/832984 | APPLE INC | 2003-04-25 | 33425176 |
| 4 | US8553646B2 | Employing physical location geo-spatial ... | 2009-08-10 | 12/538407 | AT&T INTELLECTUAL PROP... | 2009-08-10 | 43534791 |
| 5 | US7835505B2 | Phone-to-monitor connection device | 2005-05-13 | 11/129675 | MICROSOFT CORP | 2005-05-13 | 37420694 |

^ **Non-Patent Literature : 25**

- *Bing search q=mobile+server+television+control&q Jun. 26, 2014. cited by examiner .
- *Bing search q=phone+server+television+control&q Jun. 26, 2014. cited by examiner .
- *Bing search q=phone+server+television+control+me Jun. 26, 2014. cited by examiner .
- *Bing search q=mobile+server+television+control+m Jun. 26, 2014. cited by examiner .
- Ask Search Internet Search, session identifier random, printed on Nov. 19, 2011. cited by applicant .
- Webopedia computer dictionary, session cookie, printed on Nov. 19, 2011. cited by applicant .
- Webopedia computer dictionary, web identifier, printed on Nov. 19, 2011. cited by applicant .
- Webopedia computer dictionary, user session, printed on Nov. 19, 2011. cited by applicant .
- www.vbulletin.com, Best way to generate Random, Unique ID's, printed on Nov. 19, 2011. cited by applica

• No Available Data

*Cited by Examiner

在搜索區輸入“*”查詢被審查委員引用的引證。

^ **Forward (Referenced By) : 10 of 78**

| # | Patent No. | Title | Appl. Date | Appl. No. | Assignee (Std) | Earliest Priority | Family ID |
|---|-------------------------------|--|------------|----------------|----------------|-------------------|-----------|
| 1 | US9038908B2* | Methods and systems for optimizing visu... | 2013-04-10 | 13/860296 | XEROX CORP | 2013-04-10 | 51686563 |
| 2 | CN105264902A* | System for universal remote media contr... | 2014-05-08 | 201480027596.2 | GOOGLE LLC | 2013-05-14 | 51896838 |
| 3 | CN105264902B* | 用于多用户、多平台、多设备环境中的通... | 2014-05-08 | 201480027596.2 | GOOGLE LLC | 2013-05-14 | 51896838 |

歷史

專利「申請 (Pair)」、「轉讓數據」、「繳費記錄」、「期限調整 (PAIR)」、「審查歷程」和「INPADOC 法律狀態」等訊息。

Full Text
Simple Family
Extended Family
Citations
History
Litigation
Original Document

Application (PAIR)
 Assignment Data
 Fee Status
 Patent Term Adjustment (PAIR)
 Prosecution history
 INPADOC Legal status

Assignment Data : 1 🔍

| | | | | |
|------------------------------------|--|----------------------------------|-------------------------------------|---|
| Reel/frame 027688/0951 | Conveyance Type ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). | Assignor STROBER DAVID | Execution Date 2012-01-26 | Assignee (Owner) TOUCHSTREAM TECHNOLOGIES INC |
| Date recorded 2012-02-10 | | | | Correspondent SAMUEL BORODACH |

* 轉讓數據分頁只列 US 和 CN 轉讓資訊。

訴訟

查看該專利是否有涉及訴訟，以及訴訟數量、案件、原告、被告、法官、以及涉訟專利等數據。

Full Text
Simple Family
Extended Family
Citations
History
SEP Declarations
Litigation
Original Document

US Litigations : 6 🔍

▼ **2019-1498** (Filing : 2019-02-01) | **Court of Appeals for the Federal Circuit**

▼ **2019-1497** (Filing : 2019-02-01) (Close : 2020-06-04) | **Court of Appeals for the Federal Circuit**

▼ **2019-1496** (Filing : 2019-02-01) | **Court of Appeals for the Federal Circuit**

▲ **2018-1979** (Filing : 2018-05-16) (Close : 2019-03-27) | **Court of Appeals for the Federal Circuit**

| | | |
|--|---|---|
| <p>Appellant Huawei Technologies Co., Ltd., HiSilicon Technologies Co., Ltd., Huawei Technologies USA, Inc., Huawei Device USA, Inc. [+ Law Firm & Attorneys]</p> | <p>Appellee Samsung Research America, Samsung Electronic Co., LTD., Samsung Electronics America, Inc. [+ Law Firm & Attorneys]</p> | <p>Judge HUGHES, Prost, O'Malley</p> |
|--|---|---|

Patents-in-Suit: 11

| # | Patent No. | Title | Legal Status | Appl. Date | Appl. No. | Family ID |
|---|------------------------------|--|--------------|------------|-----------|--------------------------|
| 1 | US8812848B2 | Method, system and device for negotiating security capability when term... | Active | 2014-01-03 | 14/147179 | 40421872 |
| 2 | US2016073000 | Method and apparatus for distributed network... | Active | 2016-07-20 | 14/514222 | 20205015 |

訴訟資訊的資料來源為 PTAB 官方數據，請見以下數據涵蓋範圍：

| Jurisdiction | Filing Date (Start) |
|--|---------------------|
| ITC | 1972/04/04 |
| PTAB | 2012/09/16 |
| District Court | 1980/02/05 |
| Court of Appeals for the Federal Circuit | 1991/06/07 |
| Supreme Court | 2004/03/03 |

用 [Quality Insights](#) 做專利有效性分析

*沒有訴訟紀錄的專利此頁會顯示為無資料。

原始文件

本專利原始PTO文件以PDF檔供檢視，下載及列印。

Full Text
Simple Family
Extended Family
Citations
History
SEP Declarations
Litigation
Original Document

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US008996003B2

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|--|--|----------------|---------|----------------|--------------|--------|----------------|-------------|--|--|--------------------------|--|--|----|------------|---------|----|-----------|--------|-------------|--|--|
| <p>(12) United States Patent Roberts et al.</p> <p>(54) METHOD, TERMINAL, AND SYSTEM FOR CELL RESELECTION</p> <p>(71) Applicant: Huawei Technologies Co., Ltd., Shenzhen, Guangdong (CN)</p> <p>(72) Inventors: Michael Roberts, Stockholm (SE); Johan Johansson, Stockholm (SE); Boyun Xie, Xi'an (CN); Min Huang, Shanghai (CN)</p> <p>(73) Assignee: Huawei Technologies Co., Ltd., Shenzhen (CN)</p> <p>(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days. This patent is subject to a terminal disclaimer.</p> <p>(21) Appl. No.: 14/135,045</p> | <p>(10) Patent No.: US 8,996,003 B2 (45) Date of Patent: *Mar. 31, 2015</p> <p>USPC 455/435.3; 455/436; 455/411; 455/449; 370/252</p> <p>(58) Field of Classification Search CPC .. H04W 36/0055; H04W 48/18; H04W 36/00 USPC 455/435.3, 436, 449, 452.1, 434, 510, 455/411; 370/252, 449, 398; 345/501 See application file for complete search history.</p> <p>(56) References Cited</p> <p style="text-align: center;">U.S. PATENT DOCUMENTS</p> <table style="width: 100%; font-size: x-small;"> <tr> <td>8,041,355 B2</td> <td>10/2011</td> <td>Roberts et al.</td> </tr> <tr> <td>8,185,111 B2</td> <td>5/2012</td> <td>Roberts et al.</td> </tr> <tr> <td colspan="3" style="text-align: center;">(Continued)</td> </tr> <tr> <td colspan="3" style="text-align: center;">FOREIGN PATENT DOCUMENTS</td> </tr> <tr> <td>AL</td> <td>2111074 A1</td> <td>12/2009</td> </tr> <tr> <td>CN</td> <td>1675957 A</td> <td>9/2005</td> </tr> <tr> <td colspan="3" style="text-align: center;">(Continued)</td> </tr> </table> | 8,041,355 B2 | 10/2011 | Roberts et al. | 8,185,111 B2 | 5/2012 | Roberts et al. | (Continued) | | | FOREIGN PATENT DOCUMENTS | | | AL | 2111074 A1 | 12/2009 | CN | 1675957 A | 9/2005 | (Continued) | | |
| 8,041,355 B2 | 10/2011 | Roberts et al. | | | | | | | | | | | | | | | | | | | | |
| 8,185,111 B2 | 5/2012 | Roberts et al. | | | | | | | | | | | | | | | | | | | | |
| (Continued) | | | | | | | | | | | | | | | | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | | | | | | | | | | |
| AL | 2111074 A1 | 12/2009 | | | | | | | | | | | | | | | | | | | | |
| CN | 1675957 A | 9/2005 | | | | | | | | | | | | | | | | | | | | |
| (Continued) | | | | | | | | | | | | | | | | | | | | | | |

筆記

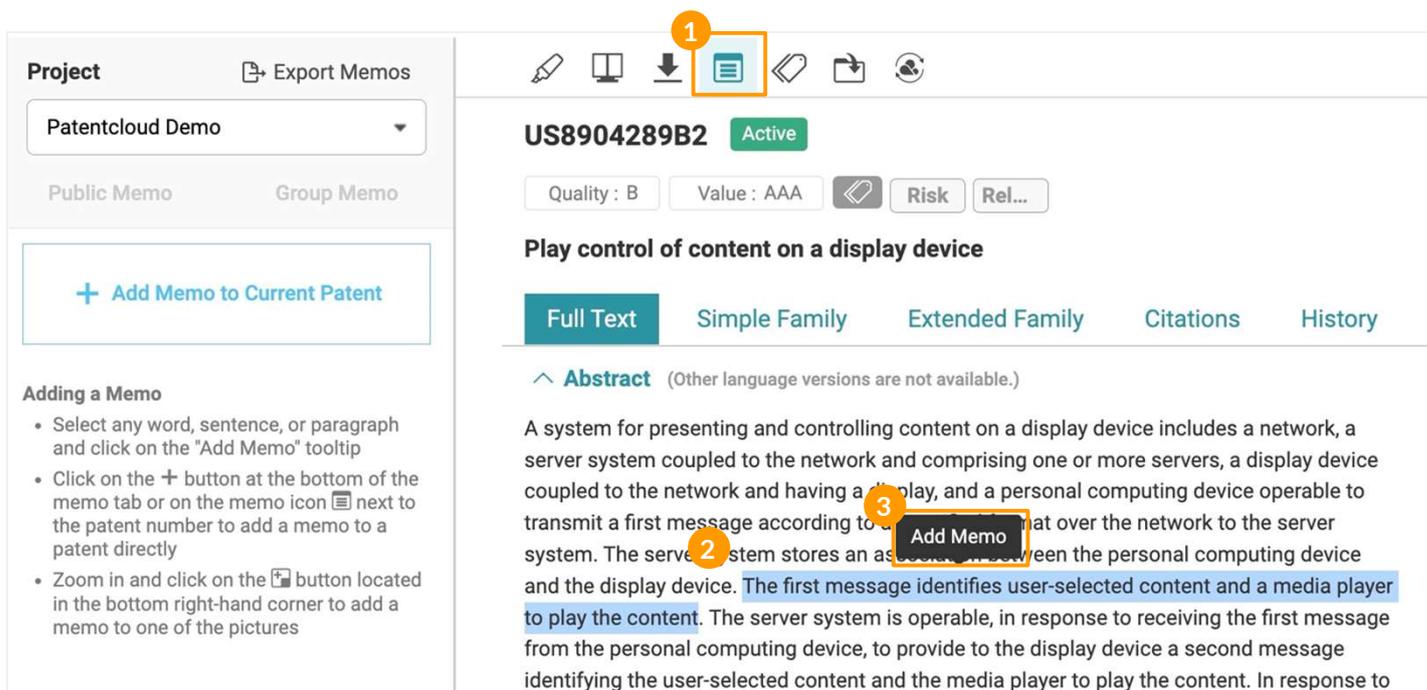


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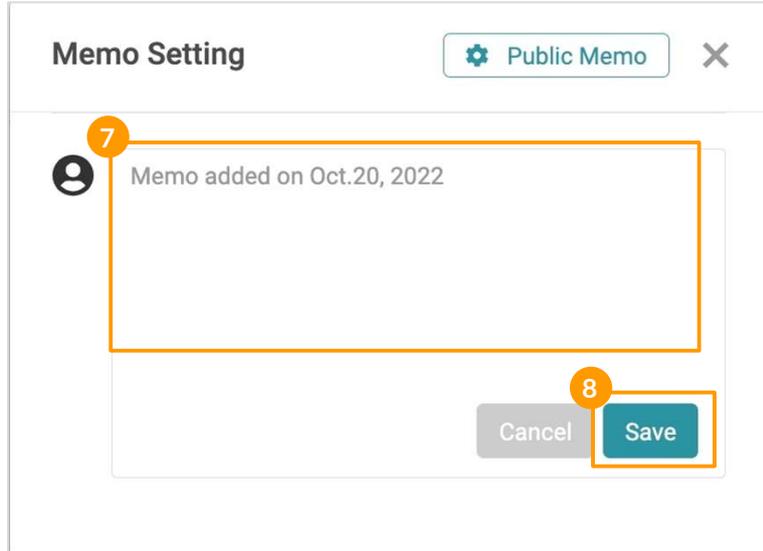
5 Project

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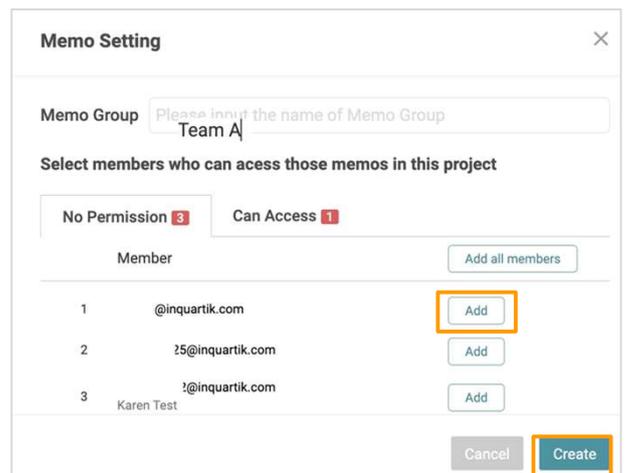
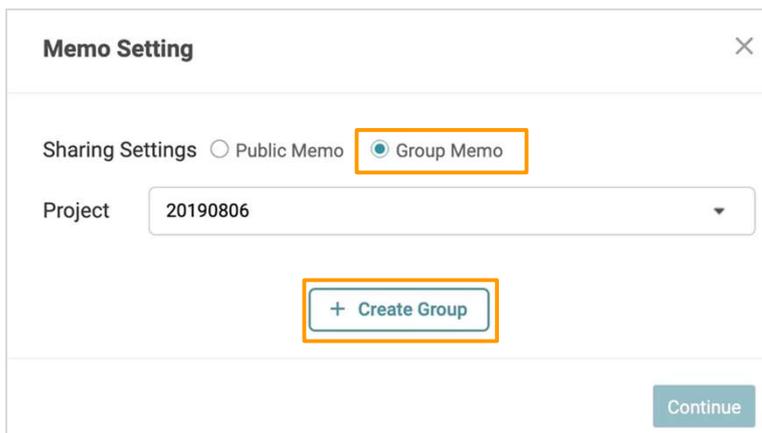
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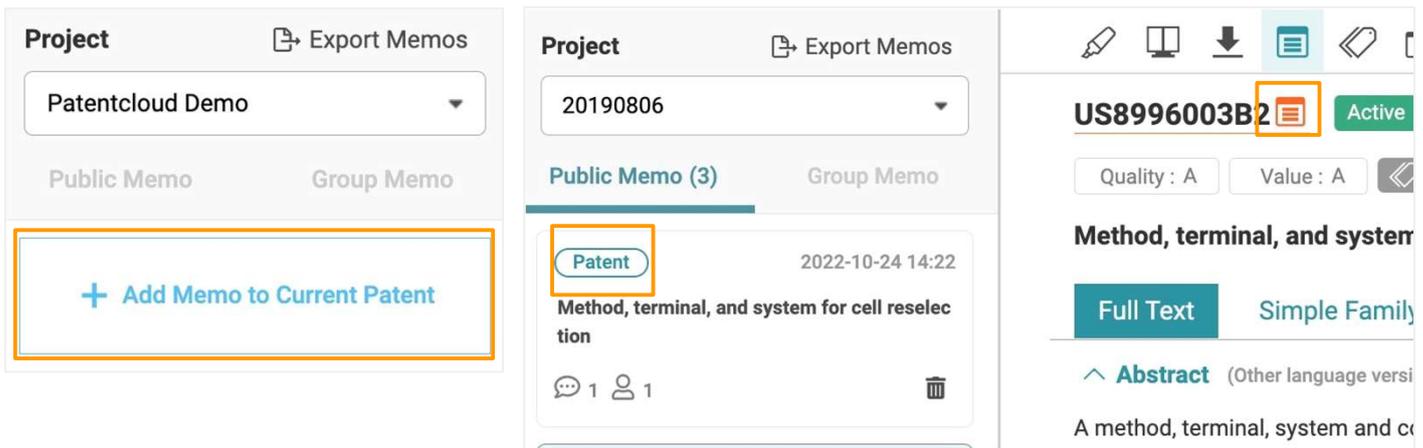
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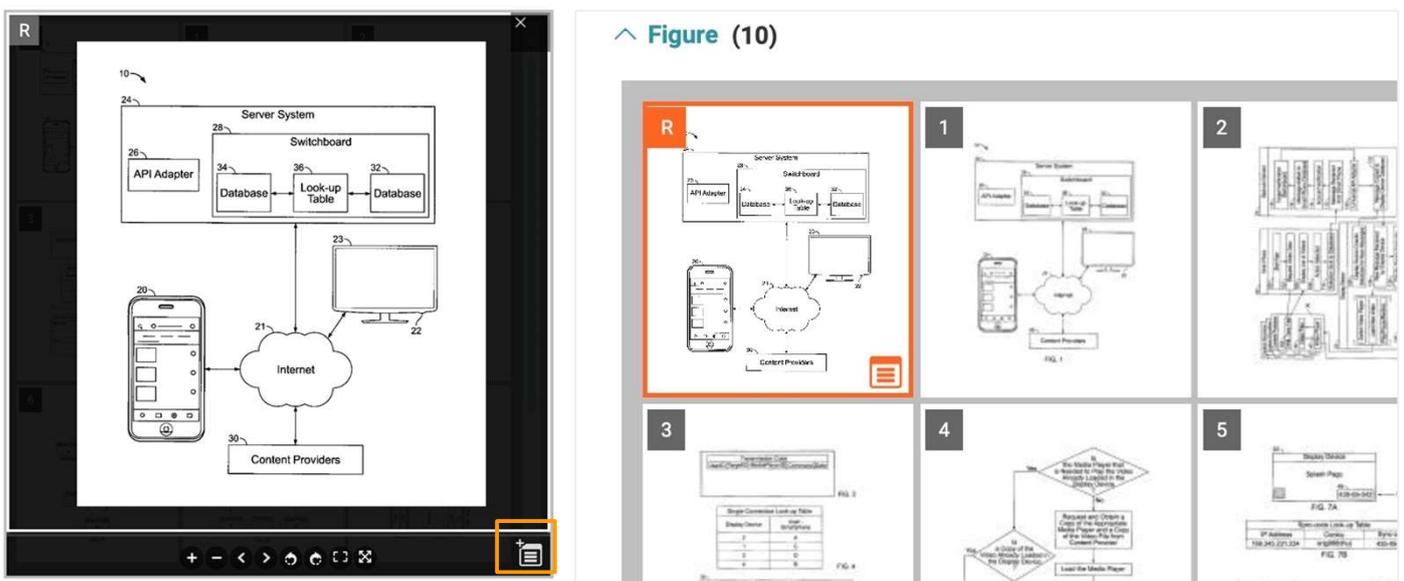
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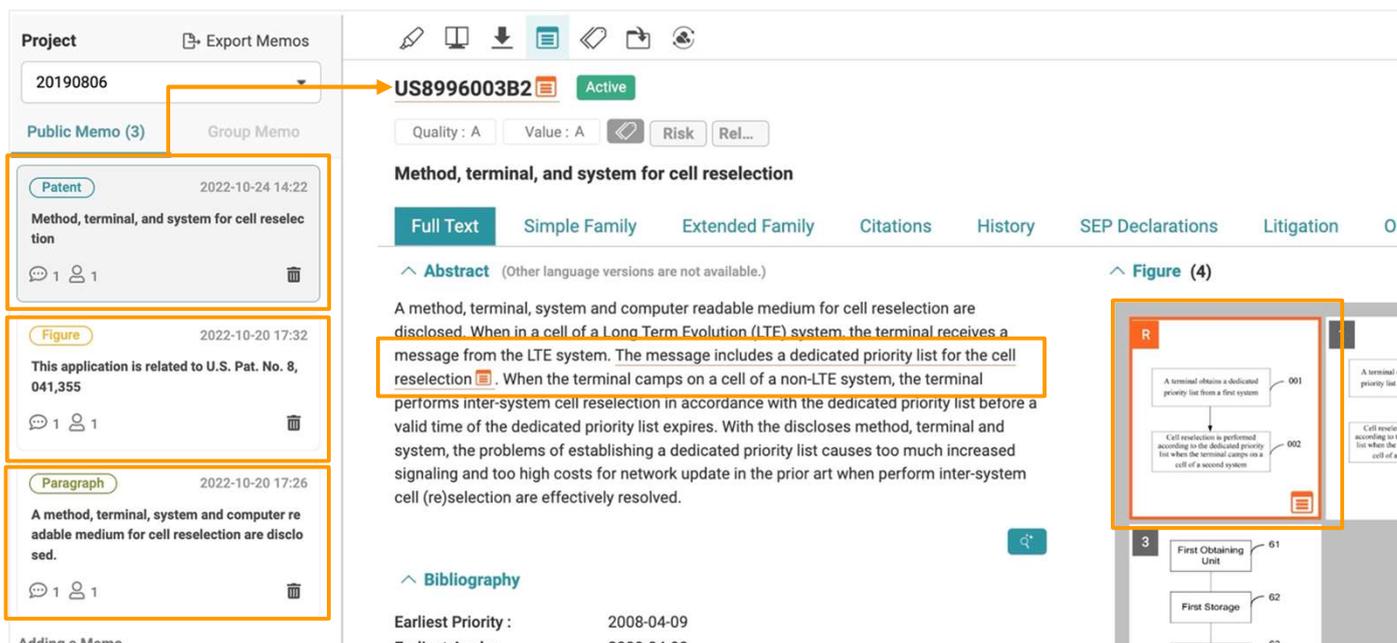
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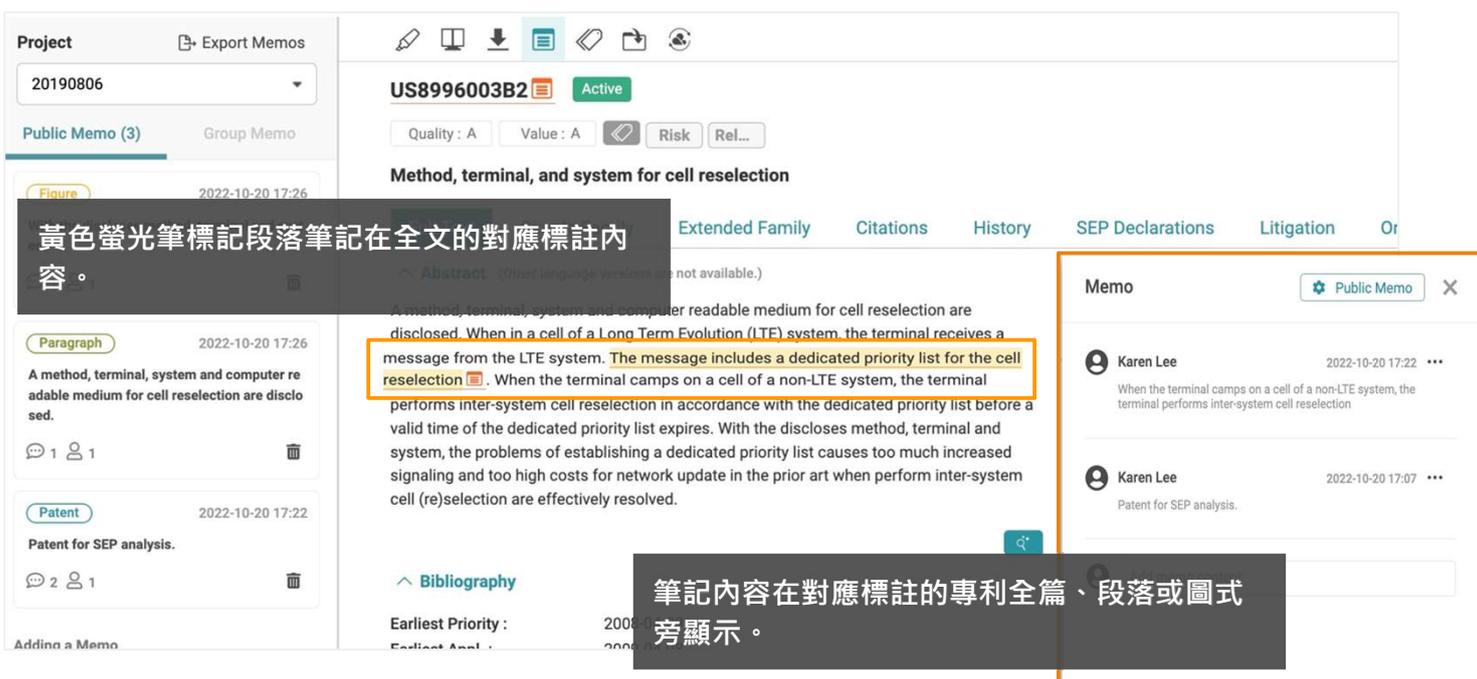
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| Patent No. | Quotation | Comments | Comment Date | Location |
|-------------|---------------|---|------------------|-----------|
| US8996003B2 | "US8996003B2" | Method, terminal, and system for cell reselection | 2022-10-24 14:22 | Patent |
| | "Fig.1" | This application is related to U.S. Pat. No. 8,041,355 | 2022-10-20 17:32 | Figure |
| | | method, terminal, system and computer readable medium for cell reselection are disclosed. | 2022-10-20 17:26 | Paragraph |

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- 潛在貨幣化與訴訟對象

Quality of High-Value Patents (WIPO, US, CN, EP, JP, KR, TW Patents Only)

An indication of the tendency to be practiced and how difficult invalidation may be.

About This Chart

Legal Status: Active, Pending Country: All Filters Applications

Total # of applications : 3,330; # of applications in the chart : 3,330



Patents Against the Potential Targets (Patent portfolio and its US, CN, EP, and WO forward citation patents.)

The patent families that may be used against the potential targets.

Export About This Chart

Legal Status: Active, Pending forward citation patents Legal Status: Active, Pending, Inactive Citation Type: Novelty Citations Filters Families

Total # of families : 658; # of families in the chart : 226



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評估標準必要專利的必要性

SEP OmniLytics 提供針對 ETSI 標準必要專利宣告資訊帶給你豐富洞察和珍貴情報的 5G 標準必要專利宣告資料庫。

Claim Chart Summary
Which independent claims are essential? Click the links below to view the corresponding Claim Chart. Evaluation Basis: Version info. in the SEP declaration

EP3952518A1 vs ISLD-202008-017 includes [TS 38 211 \(16.2.0\)](#) ; [TS 38 213 \(16.2.0\)](#) ; [TS 38 331 \(16.1.0\)](#)

| Essentiality Rank | TS Relevancy | Claim Scope Support |
|--------------------|-----------------------------------|-----------------------------------|
| Medium | High | Medium |
| Claims # | TS Relevancy | Claim Scope Support |
| Claims # 1 | High | Medium |
| Claims #1.01 | N/A – Insufficient for evaluation | N/A – Insufficient for evaluation |
| Claims #1.02 | High | Partial |
| Claims #1.03 | High | High |
| Claims #1.04 | High | High |
| Claims #1.05 | High | High |
| Claims # 13 | High | Medium |
| Claims # 14 | High | Medium |

Claims #1

Apparatus (10) comprising means for: - obtaining (201) a resource configuration for a control channel carrying control data, - obtaining (201) information indicating a transmission period for a repeated transmission of said control data on said control channel; - obtaining (201) a transmission configuration data defining one or more transmission states for said resource configuration; - obtaining (202) monitoring information indicating one or more monitoring occasions associated with said resource configuration; and - monitoring (206 - 211) said control channel for control data on said monitoring occasions by using a mapping scheme between at least one of said one or more transmission states and said monitoring occasions within said transmission period.

SEP OmniLytics 的自動化請求項對照表只需一次點擊，就能直接看到請求項與 3GPP 技術規格的對應關係以迅速了解 SEP 組合或特定 SEP 的整體必要性，以解讀那些需要進一步專家分析的標準必要專利。

Quality Insights — 專利有效性分析



洞察專利有效性

[Quality Insights](#) 可一鍵式洞察專利品質、專案審查紀錄和多方複審 (IPR) 細節，請求項範圍和潛在前案來進行有效性分析洞察專利品質。

只要從專利清單頁上方選擇傳送至 Quality Insights 即可開啟專利 Quality Insights 報告。

US11139872B2 Active

Quality: AAA Value: A

Codebook subset restriction signaling

Full Text Simple Family History SEP Declarations Litigation Origin

Abstract (Other language versions are not available.)

A network node signals to a wireless communication device which precoders in a codebook are restricted from being used. The network node in this regard generates codebook subset restriction signaling that, for each of one or more groups of precoders, jointly restricts the precoders in the group by restricting a certain component (e.g., a certain beam precoder) that the precoders in the group have in common. This signaling may be for instance rank-agnostic signaling that jointly restricts the precoders in a group without regard to the precoders' tr

Specification (Other language versions are available.)

RELATED APPLICATIONS

RELATED APPLICATIONS

[0001] The present application is a continu

20210106 test

Download Report Save Report

US11139872B2 Active

Codebook subset restriction signaling

Overview History Claim Analysis Claim Insights Family Prior Art Prior Art Finder Semantic Prior Art File Wrapper Search

Litigation Record **Litigated**

Claim Disclosure **Partially Disclosed**

Potential Issue

§112 **Medium** §102 **Low** §103 **High**

Bibliography

| | | | |
|---------------------|--|-------------------|--|
| Inventor (Std) | FAXÉR SEBASTIAN(SE), JÖNGREN GEORGE(SE), WERNERSSON NIKLAS(SE), FRENNE MATTIAS(SE), JÄRMYR SIMON(SE) [+Inventor] | Earliest Priority | 2015-01-14 |
| Issue Date | 2021-10-05 | Appl. No. | 17/168616 |
| Legal Status | Active Last Updated On 2022-03-04 | Appl. Date | 2021-02-05 |
| Estimated Exp. Date | 2036-01-11 . 20 years from filing date 2016-01-11 of PCT/SE2016/050009 | Curr. Assignee | TELEFONAKTIEBOLAGET LM ERICSSON PUBL 2022-03-03 |
| | | Assignee (Std) | TELEFONAKTIEBOLAGET LM ERICSSON PUBL [+Orig. Assignee] |

Thank You!

If you have any questions, please [contact us!](#)



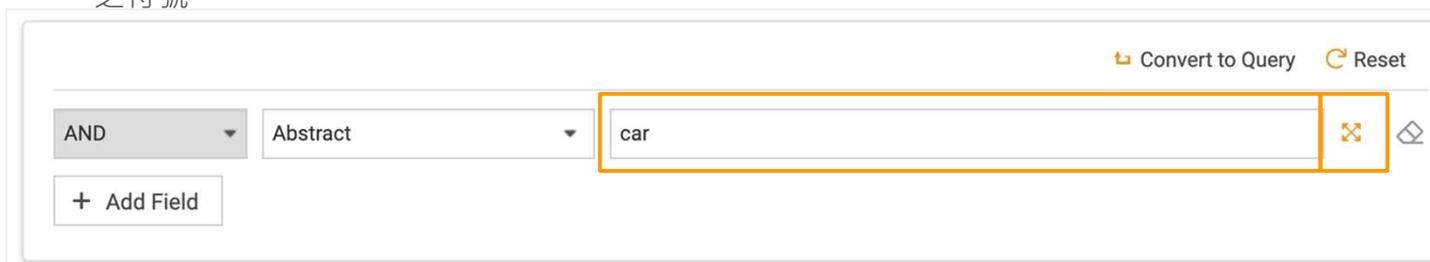
附錄

- 關鍵詞擴展
- 法律資料狀態
- 品質與價值指標

公開和公告專利內文中常見使用同義詞。所以，為了執行更完整的專利檢索，必須將關鍵字搜索範圍包括的其他語言或相同語言的相似字詞，這即是關鍵詞擴展功能。

請參考以下步驟以利使用該功能：

1. 在簡易檢索和進階檢索中，選擇需要關鍵字條件選單後，在檢索框內輸入一個關鍵字並點擊  之符號。



Convert to Query Reset

AND Abstract car  

+ Add Field

在關鍵詞擴展的視窗跳出後，您可以勾選不同語言後點擊**擴展**，並在下方勾選您欲檢索的關鍵字和同義詞，再點選**確認**。

Keyword Expansion ✕

Select Language(s): English 簡中 繁中 Japanese German Korean Expansion ?

Keywords:

"car" OR "汽车" OR "汽車" OR "車" OR "Auto" OR "automobile"

Synonyms and Related Words:

| <input type="checkbox"/> | English | 簡中 | 繁中 | Japanese | German |
|-------------------------------------|---|---|---|---------------------------------------|--|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> car | <input checked="" type="checkbox"/> 汽车 | <input checked="" type="checkbox"/> 汽車 | <input checked="" type="checkbox"/> 車 | <input checked="" type="checkbox"/> Auto |
| <input type="checkbox"/> | <input type="checkbox"/> car magazine | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> car automobile | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> motorcar | <input type="checkbox"/> 摩托车 | <input type="checkbox"/> 摩托車 | <input type="checkbox"/> 自動車 | <input type="checkbox"/> Automobil |
| <input type="checkbox"/> | <input type="checkbox"/> motor-car <input type="checkbox"/> motorcar <input checked="" type="checkbox"/> automobile <input type="checkbox"/> motor car | <input type="checkbox"/> 摩托车 <input type="checkbox"/> 汽车 | <input type="checkbox"/> 摩托車 <input type="checkbox"/> 汽車 | <input type="checkbox"/> 自動車 | <input type="checkbox"/> Automobil |
| <input type="checkbox"/> | <input type="checkbox"/> environmental impact of ca... | | | | |

■ Synonym ■ Related Words

Cancel
Confirm

法律狀態

法律狀態涵蓋區域 (65個區域)

CN, JP, US, EP, KR*, WO*, AE, AM, AP, AT*, AU*, BE*, BG, BR*, BY, CA*, CH, CZ*, DE*, DK*, DZ, EC, EG, EM, ES*, FI*, FR*, GB*, GC, GR*, HK*, HN, HU*, ID, IL*, IN, IT*, KE, MC*, MN, MO, MT, MW, MX*, MY, NL*, NO*, NZ*, OA, PA, PH*, PL*, PT*, RU*, SA, SE*, SG, SM, TH, TJ, TW*, UA, VN, ZM, ZW

● 來自當地專利局 (11)

*來自INPADOC (31)

當前專利權人

當前專利權人 (24個區域)

CN, JP, US, EP, WO, AT, AU, BE, BR, CH, DE, ES, FI, FR, GB, HK, HU, IL, MX, NL, NO, NZ, PL, PT, TW ●

來自當地專利局 (5)

Patentcloud如何解析當前專利權人的數據

對於每個不同的司法管轄區，當前所有者資訊的收集和確定方法如下：

US - 從USPTO的轉讓資料庫收集數據，然後與不同轉讓類型（如轉讓、合併和更名）的原始專利權人數據合併。

CN - 原始專利權人數據從CNIPA的法律狀態資料庫中收集並合併，以考慮轉讓、合併和更名事件。

JP/TW- 從JPO/TIPO收集和整合。

EP和其他--從INPADOC事件中收集與轉讓、合併和改名資訊合併。

關於Patentcloud的資料涵蓋範圍、法律狀態和專利交易的更多細節，請查看[資料完整性與即時性](#)頁面。

從宏觀上瞭解專利組合的質量和價值，並以技術領域的頂級專利所有人為基準。

什麼是Patentcloud的專利品質和價值指標？

專利品質指標

品質排名指標表明為一項專利找到現有技術參考文獻的相對可能性，這可能會威脅到其有效性。

該指標考慮了以下因素（基於獲證前的資訊）：

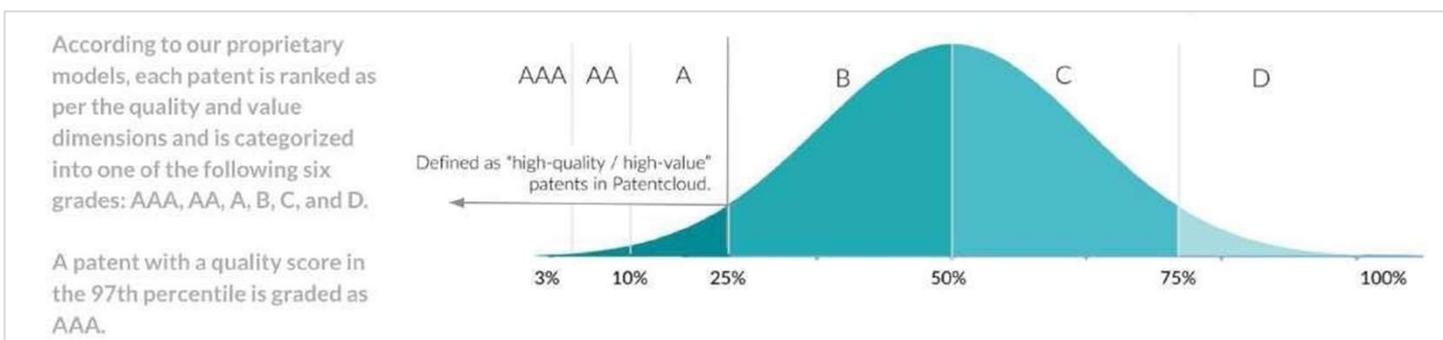
- 律師和審查委員的資格和特點
- 潛在前案參考
- 獨立和從屬請求項的結構

專利價值指標

價值指標反映了一項專利在發佈后被實踐或貨幣化的相對趨勢。

該指標考慮了以下因素（基於獲證前的資訊）：

- 發明人及申請人資歷、研究領域集中程度
- 技術生命週期相較於相同技術領域是否位於早期
- 專利引證資料
- 公開/公告前的轉讓及授權記錄



在品質/價值排名前25%的專利被認為是高品質或高價值的專利。

註：專利品質和價值指標不適用於設計專利。

在《[專利品質和價值指標](#)》白皮書中閱讀更多內容。

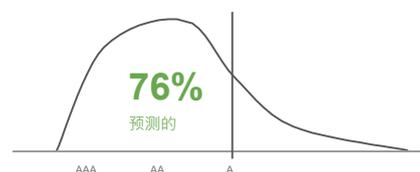
驗證專利品質和價值指標

為了持續跟蹤模型和它們試圖預測的事件之間的相關性的重要性，我們建立了兩個監測系統--一個是專利侵權案件以驗證價值，另一個是被放棄的美國專利以驗證品質。

驗證價值指標 - 專利侵權案件

我們使用自 2000 年至今涉及侵權案件的 88,340 項美國專利來驗證價值模型。在不知道這些專利涉及侵權案件的情況下，專利價值排名模型將這些專利中的 76.62% 評為A級以上價值排名，證明瞭該模型預測潛在貨幣化活動的能力。

| 總數量 | >A | AAA | AA | A | B | C | D | P值 |
|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 88,340 | 76.62% | 27.30% | 24.91% | 23.41% | 15.33% | 6.43% | 2.61% | <0.001 |



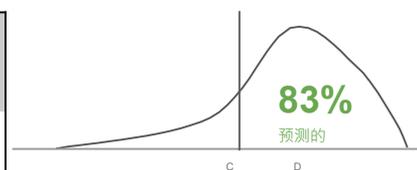
註：侵權案件數據收集於 2000-01-01 ~ 2023-01-06 之間。

驗證品質指標 - 被放棄的美國專利商標局專利申請

我們用使用自 2001 年至今在起訴期間放棄的 1,701,228 件美國專利申請來驗證質量模型。

雖然不知道這些申請被放棄了，但專利品質排名模型將這些專利中的 83.68% 評為品質排名低於C的專利，證明該模型預測潛在放棄和無效事件的能力。

| AAA | AA | A | B | C | D | <C | P值 |
|-------|-------|-------|--------|--------|--------|--------|--------|
| 0.22% | 0.98% | 3.68% | 11.44% | 22.57% | 61.11% | 83.68% | <0.001 |



註：在 2001-03-15 ~ 2023-01-06 期間收集的美國專利申請在申請期間放棄申請的數據。

在《[專利品質和價值指標](#)》白皮書中閱讀更多內容。