



Patent search results you can trust

Answer your patent search questions with speed and precision.

Derwent Innovation patent search software helps patent professionals answer their patentability, freedom-to-operate (FTO) and patent validity questions with speed and precision.

By combining technology purpose-built for patent searching with unparalleled patent data and expert-authored invention abstracts, Derwent Innovation provides patent search results that are more accurate and more reliable.

Derwent Innovation is the only source for enriched patent data and expert-authored invention abstracts used for patent examination by 40+ global PTOs.

Why patent professionals at the world's most innovative companies choose Derwent Innovation

1. Find more relevant keyword search results using expert-authored invention abstracts written in standard English.
2. Spend less time on patentability and knock out searches using AI Search — trained on DWPI for more relevant results.
3. Make faster, more confident global FTO decisions with integrated patent litigation and opposition data from 140+ countries.
4. Review patents faster with descriptive titles and invention summaries written by subject matter experts that clearly state novelty, use and advantage.
5. Act with confidence using comprehensive and corrected patent data including legal status, assignee and inventor.

"What is important for us is to find a comprehensive view of patent information that supports strategic decision making and Derwent is helping us in this mission."

Sakae Nakamura,
IP Corporate Research & Development,
Asahi Kasei Corporation.

Patent search results you can trust — from patentability to freedom to operate to invalidity



Patentability

Make more confident patentability and knock out recommendations

- AI-powered natural language search for fast, highly relevant results
- Descriptive titles and expert-authored invention abstracts for faster review
- Priority data and classification corrections for more accurate results



Freedom to operate

Perform global clearance searches with speed and precision

- Correlated patent litigation case data from 140+ jurisdictions
- Predicted legal status for higher confidence decisions
- Global invention families with correlated citations for comprehensive analysis



Invalidity

Identify highly relevant prior art

- Powerful expert search options
- 66m inventions manually indexed by technology for comprehensive global searches
- Fully searchable, expert-authored invention abstracts for improved Boolean search results



Comprehensive, enriched patent data and expert-authored content you can't get anywhere else



Enriched global patent data

Search and analyze cleansed, corrected and normalized full-text patent data.

- **168m+** patent documents
- **106** jurisdictions with bibliographic data
- **76** jurisdictions with full text



Derwent World Patents Index (DWPI)

Capture more relevant and comprehensive patent search results, and review documents faster — with patent titles and abstracts written by subject matter experts that state the patent's novelty, use, and advantage in clear, easy-to-understand language.

- **66m** invention level families
- **127m+** patent publications covered by enhanced titles and abstracts
- **62** sources, including **60** patent-issuing authorities



Darts-ip global patent litigation case data

Perform global FTO analysis in one continuous workflow using correlated, standardized patent litigation case data.

- **2.2m** global patent cases
- Case information from **4,000+** courts across **140** countries



Derwent Chemical Patents Index

Quickly find all possible claimed substances, including Markush structures redrawn according to standardized rules.



Derwent Patent Citation Index

See the complete view of patent and literature citations, examiner and applicant, forward and backward, collated at the invention (DWPI family) level.



Scientific literature

Find relevant non-patent publications from over **34,000** journals spanning **254** subject categories.

Better patent search results in less time with the Derwent World Patents Index



Expert-authored invention summaries

Improve keyword search results by 79% compared to other patent search platforms using abstracts written by subject matter experts in standard English, translated from 40 original languages.



Descriptive DWPI titles

Determine what results are most relevant using expert authored titles that allow you to see at-a-glance the scope of the patent.



Standardized fields for novelty, use and advantage

Quickly see what an invention covers without having to read the full document using expert-authored summaries that clearly state novelty, use and advantage.



66m+ DWPI families

See an invention's complete global patent coverage with DWPI families that go beyond priority relationships and include non-convention equivalents.



DWPI manual codes

Obtain a comprehensive set of global patents related to a specific technology using an index of 27,000 codes assigned manually. DWPI manual codes are a proprietary novelty-oriented classification system to complement international patent classification systems.

Figure 1: Clearly see relevant information from the original publication on the DWPI record in Derwent Innovation.

US9890351B2 [View Details](#)

Bibliography **Abstract** **Classifications** **Legal Status** **Family** **Claims** **Description** **Citations** **Other** **More**

DWPI Title
Encapsulation used in e.g. personal care composition such as baby care composition comprises shell comprising polymer and core e.g. polyurethane, where the shell encapsulates the core and comprises electromagnetic radiation sensitive moiety

Abstract

Novelty
An encapsulate comprising a shell comprising polymer and core, where the shell encapsulates the core and comprises an electromagnetic radiation sensitive moiety that is sensitive to a species of electromagnetic radiation selected from infrared radiations, visible light and/or ultraviolet radiations. The core comprises a material selected from perfumes, vitamins, bioactive agents, antimicrobials, flavors, heating or cooling agents, fragrances and/or pigments.

Detailed Description
AN INVENTION OF THE PRESENT INVENTION IS RELATED TO THE FIELD OF PERSONAL CARE PRODUCTS.

Use
In composition (3) wherein e.g. personal care composition and treatment composition is for baby care, beauty care, fabric and home care, family care, feminine care, health care, snack or beverage products, diapers, kits, wipes, products for treating hair (brushes, dye, or salt), including bleaching, coloring, styling, conditioning, shampooing, styling, deodorants and antiperspirants, personal cleaning, cosmetics, skin care including application of creams, lotions, and other topically applied products for consumer use, and shaving products, products for treating fabric, hard surfaces and any other surfaces in the case of fabric and home care, including air care, or care after washing, fabric care including including softening, laundry brightening, laundry and stain removal in care, hard surface cleaning or treatment, and other cleaning for consumer or institutional uses, products for bath time, facial care, shower hands/feet, or paper towels; products for oral care including mouthwashes, tooth gels, tooth rinses, toothbrushes, tooth whitening over-the-counter health care products, nail care and nail polish; and water purification including; cleaning compositions (e.g. granular or powder form of peroxide or peroxy acid), especially cleaning detergents, liquid, gel or paste form all purpose cleaning agents, especially the so-called heavy-duty liquid gels; liquid free fabric caregivers; hard disinfecting agents or light-duty disinfecting agents, especially those of the heavy-duty type; machine disinfecting agents, including the water based, granular, liquid and cream all types for household and industrial use; liquid cleaning and disinfecting agents, including air freshener hand made sprays; cleaning fans, metal cleaners, stainless steel, stainless steel, hair shampoos and hair rinses, shower gels and foam baths and emulsions, as well as cleaning auxiliaries such as bleach additives and stain sticks or pre-treaters; intimate toilet products such as floor-repellent liquids, dry and wetter soaps and gels, feminine substances, and soaps, as well as spray and misting and fabric care compositions (e.g. fabric softening compositions, fabric enhancing compositions, fabric conditioning compositions).

Advantage
The polymers comprising the shell provide good stability of the encapsulates, including bleaching, perfume, fragrance, agglomeration, deposition and retention in a variety of cleaning compositions.

(12) United States Patent
Smets et al.

(30) Patent No.: US 9,890,351 B2
(45) Date of Patent: Feb. 13, 2018

(54) ENCAPSULATES
(57) Inventors: Johan Smets, Imbach (DE); Susana Fernandez Pieters, Boicemaro (ES); Steven Daryl Smith, Fairfield, OH (US); Reid Laursen Underlier, Cincinnati, OH (US); John August Wes, Mount, OH (US); Wolfgang Edgar Huber, Hies, Austria, OH (US); Heath A. Frederick, Harrison, OH (US); Maria Giamberini, Tarragona (ES); Barbara Tytkowski, Tarragona (ES)

(73) Assignor: The Procter & Gamble Company, Cincinnati, OH (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 13/560,254
(22) Filed: Aug. 8, 2012
(65) Prior Publication Data: US 2013/0039962 A1 Feb. 14, 2013

(51) Int. Cl.: C12D 17/00 (2006.01); A61K 15/00 (2006.01); A61K 8/02 (2006.01); C12D 3/48 (2006.01); C12D 4/00 (2006.01); A61Q 5/02 (2006.01); A61K 3/00 (2006.01); A61J 13/00 (2006.01); A61Q 19/00 (2006.01)

(52) CPC: C12D 17/00 (2013.01); A61K 8/02 (2013.01); A61K 15/00 (2013.01); A61K 3/00 (2013.01); C12D 3/48 (2013.01); C12D 4/00 (2013.01); A61Q 5/02 (2013.01); A61K 3/00 (2013.01); A61J 13/00 (2013.01); A61Q 19/00 (2013.01)

(56) Field of Classification Search: CPC: A61K 30/04 (2013.01); A61K 8/02 (2013.01); A61Q 5/02 (2013.01); A61K 15/00 (2013.01); C12D 17/00 (2013.01); C12D 3/48 (2013.01); C12D 4/00 (2013.01); A61J 13/00 (2013.01); A61Q 19/00 (2013.01); A61Q 5/02 (2013.01)

(57) Present application relates to encapsulates, compositions, products comprising such encapsulates, and processes for making and using such encapsulates. Such encapsulates comprise a core comprising a perfume and a shell that encapsulates said core, such encapsulates may optionally comprise a permeable blocking agent, such shell comprising one or more anionic emulsifiers.

9 Claims, No Drawings

Built for the specific needs of patent search professionals



Expert patent search

Build comprehensive search queries using over 300 normalized fields and standard Boolean commands for precise, effective patent searching.



AI Search

Capture highly relevant results using a natural language input for fast, high confidence patentability and knock out decisions. Trained on DWPI for unrivaled patent search performance.



DWPI manual code search

Quickly obtain a comprehensive, global set of patents related to a specific technology without having to sort out irrelevant publications.



Search management

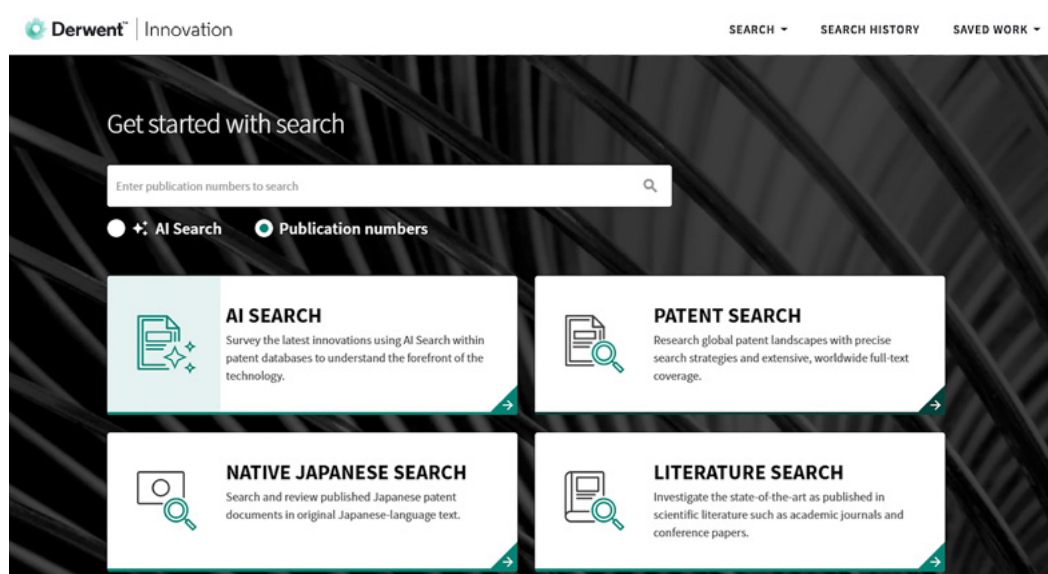
Easily combine, update and run previous searches to save time starting new search projects or managing existing.



Search templates

Standardize your searches and exports for more efficient workflows — create multiple search templates that include key terms, fields, and data collections.

Figure 2: Quickly start a fielded, literature, publication number or AI Search directly from Derwent Innovation's home page.



Make faster, more confident freedom-to-operate decisions



Integrated patent litigation data

Easily see if a patent (or family member) is involved in opposition or litigation in over 140 countries



Litigation case activity

View all cases associated with a patent in a single, easy to read summary.



Litigation case details

Review relevant details for each case, including type of action, jurisdiction, plaintiff, defendant and any associated outcome.



Legal status

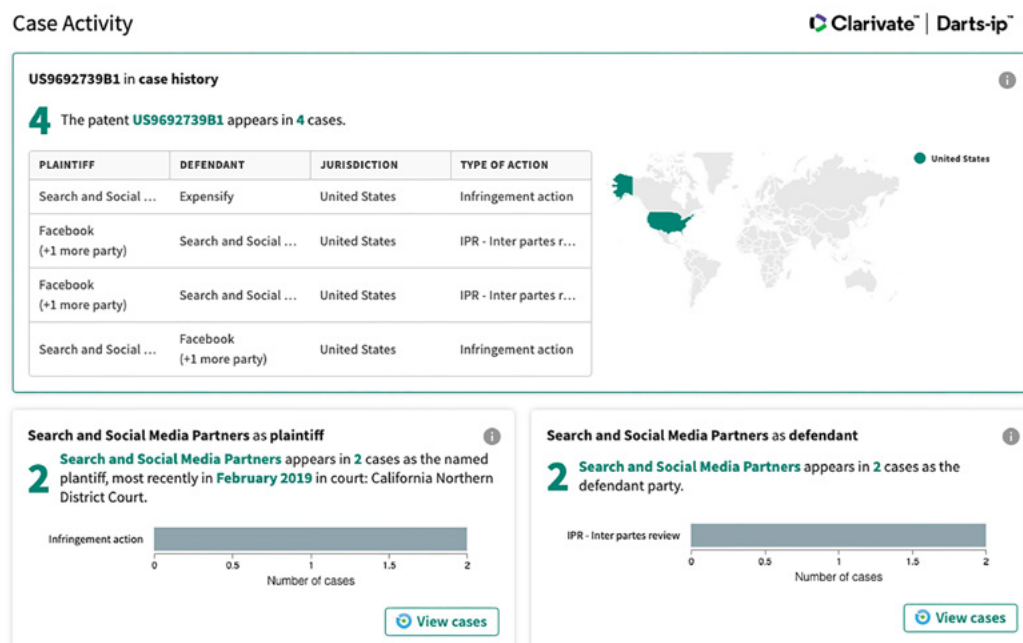
Review with confidence using predicted legal status based on INPADOC legal status events and country-specific patent law.



Optimized assignee

See the patent's current owner, even when an assignee isn't listed on the original publication — updated weekly to reflect acquisition and reassignment activity.

Figure 4: View global litigation details associated with a particular patent using the Darts-ip global patent litigation case activity dashboard.



Transform data into information with powerful analysis tools



ThemeScope

Transform millions of data points into a topographical visualization to help you navigate technology domains, understand how your data sets are related, and find new opportunities.



Text clustering

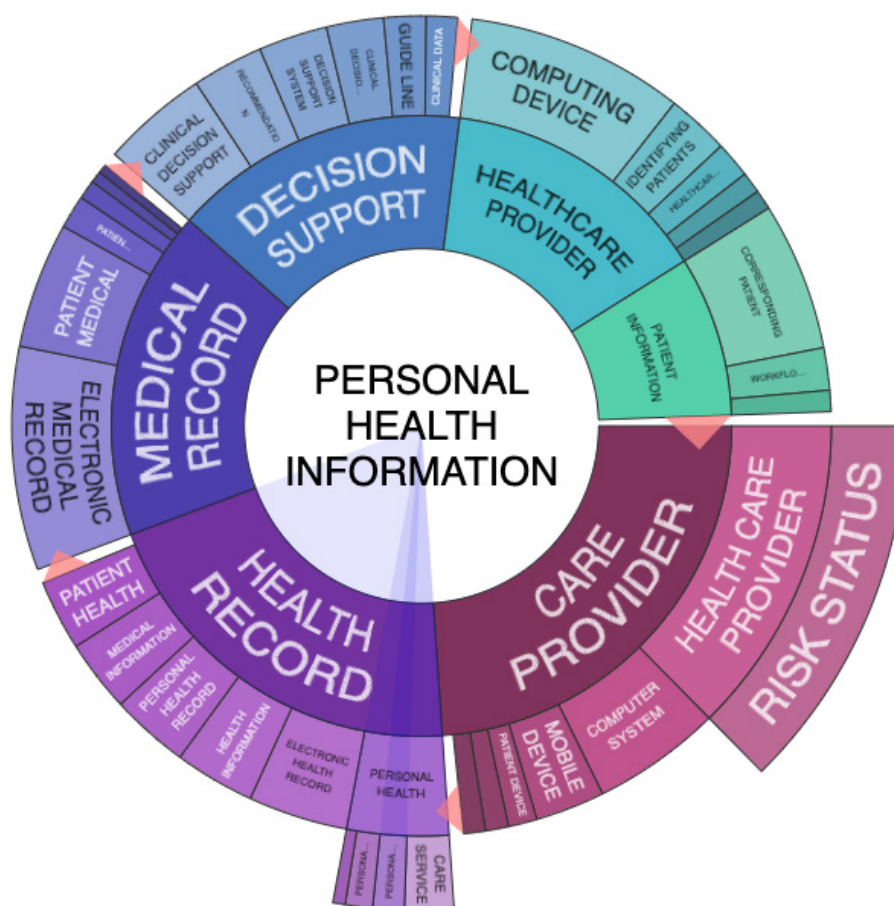
Visualize results by topic using a powerful semantic engine, making it easy for you to understand your results set and drill down to specific subsets.



Insights

Generate charts, statistics and commentary with a single click to help you evaluate your search results in less time.

Figure 3: See your search results summarized by topic using the text cluster visualization and select specific subsets for further analysis.



Stay on top of a dynamic global patent landscape



Watched records

Automatically monitor a particular record or IPADOC family for changes in legal status, reassignment, new citations, and more.



Alerts

Monitor emerging technologies and actively maintain your search projects — email notifications inform you when new records matching your search criteria are available.



Custom fields

Add additional context to certain records that your team members can see, such as a related product name, technology taxonomy, licensing activity, or any other relevant information.



Work files

Save records related to specific projects to separate folders, annotate records, and share records and annotations with other team members.

Figure 5: Monitor records for changes in legal status, reassignment or new citations with watched records.

Watched records Help

Search Include annotations

0 items selected Created: 2020-10-19 Modified: 2020-10-19

[Manage](#) [Export](#)

<input type="checkbox"/>	RECORD	DATE MODIFIED	TYPE	OPTIONS
<input type="checkbox"/>	US9890351B2 Encapsulates	2021-12-22	Patent	

SETTINGS **ACTIVITY**

Overview

Description: Encapsulates
Owner: Josh Beddow
Date created: 2021-12-22

Trigger events

Standard: INPADOC family changes
Legal code groups:
Custom fields:

Additional save and share options

Save to: Personal folders/Consumer products
Share:

Records per page Showing 1 - 1 of 1

One connected platform with multiple options to match your team's specific needs

Derwent Innovation Pro

Purpose-built to provide patent search professionals with fast, high confidence patentability, FTO and invalidity prior art searches, competitive monitoring and patent due diligence.

Derwent Innovation Analyst

Powerful patent analytics solution enables patent professionals to explore patent search results and extract high value insights.

Derwent Innovation Express

Provides researchers, scientists and analysts with access to comprehensive, reliable Derwent data from an easy-to-use search interface.

Derwent SequenceBase

Comprehensive biological sequence search solution with integrated manually-indexed sequence data and powerful search tools specifically built for sequence searching.

"I've tried other AI powered patent search tools, and Derwent AI Search is hands down the best. With other patent search tools, you often need to review up to 50 or even 200 results to find the most relevant records. With Derwent AI Search, the most relevant records are at the top of the list, which helps me save a lot of time when evaluating patentability."

Susan Johnson,
Patent Agent and IP Researcher, Boston Scientific.

Close the confidence gap in your patent research

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