

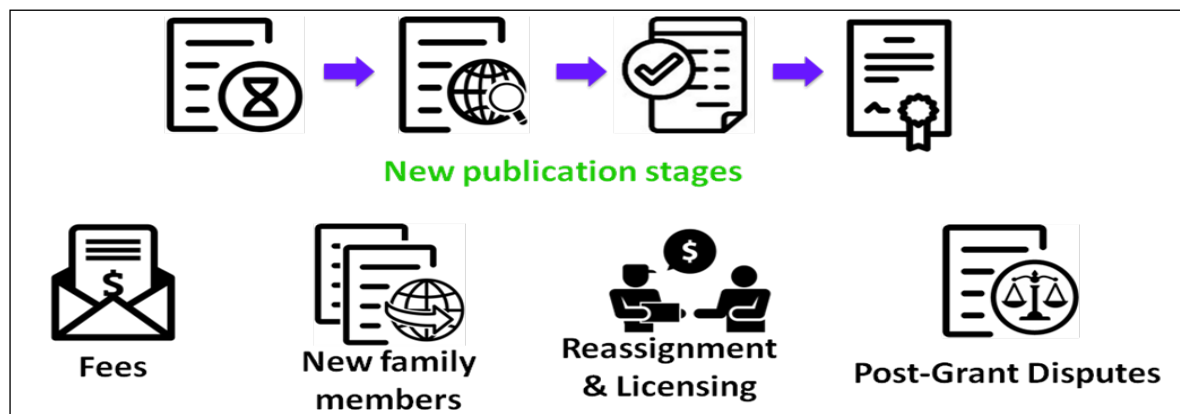
Derwent Innovation

Legal Status: Predictive Data on Derwent Innovation

- ✓ Overview of patent Legal Status information
- ✓ Why should you be interested in Legal Status?
- ✓ Key Legal Status questions to ask
- ✓ Discover the new Legal Status predictive data on Derwent Innovation
- ✓ How is the new Legal Status predictive data on Derwent Innovation calculated?

Overview Legal Status

Patent Legal Status of relates to information on the events during the lifetime of the patent. Legal Status codes serve as indicators whether a patent is in force, abandoned, expired, or has changed ownership, for example.



Why should you be interested in Legal Status?

The enforceability of a patent is the ultimate source of its value. An invalid or dead patent can't be enforced against others from practicing the invention, and is of little value.

And it's not as simple as counting out 20 years from the filing date – many events and legal situations can impact the term life of a patent.

Having accurate information about the enforceable life remaining on a patent affects many business decisions regarding monetization of IP today.

Key Questions to ask regarding Legal Status

- Who owns the patent?
- How long will it be in force?
- How many family members are involved – and in which jurisdictions?
- When are fees or translations due?
- How much is this patent worth?

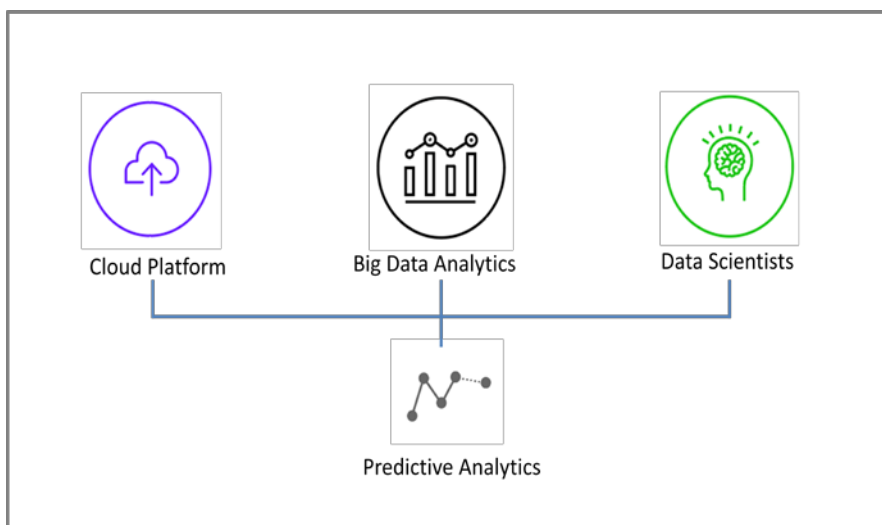
Having a clear understanding of the remaining life and breadth of IP is important for determining freedom to operate, licensing scope and duration, royalty calculations, acquisition due diligence, and portfolio valuation.



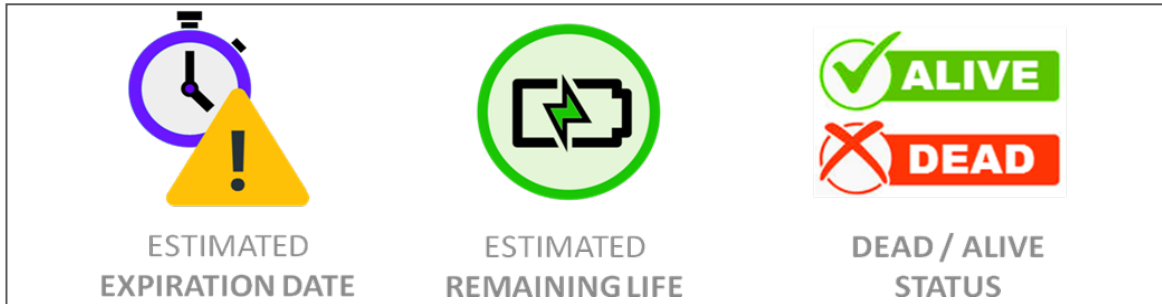
Discover the new predictive data on Derwent Innovation

Legal Status information is thus essential to patent research, and the latest enhancement on Derwent Innovation is designed to make ascertaining the status of a patent easier than ever.

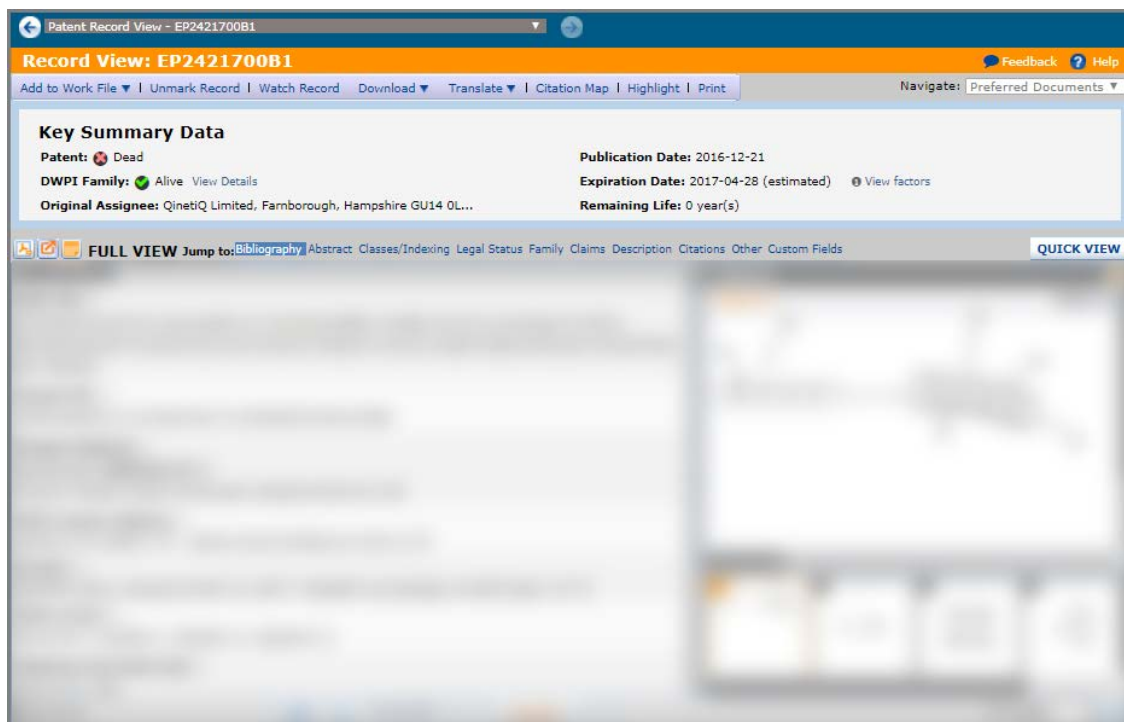
Improvements in technology now allows machine learning and modern big data engineering practices to produce new predictive data and analytics and bring this data to you on Derwent Innovation. The first phase of predictive data implementation on Derwent Innovation relates to legal status information.



The new features are Estimated Expiration Date, Estimated Remaining Life and Dead/Alive Status.



These fields are summarized on each Record View in the new Key Summary Data section. The Key Summary Data section also includes an indicator whether the DWPI family is Alive or Dead.



The Dead/Alive Status indicators are also available on the Record View for both the DWPI and INPADOC Family under the Family Tab.

The screenshot shows two tables representing patent families. The top table is for an INPADOC family with 8 members. The bottom table is for a DWPI family with 2 members. In both tables, the 'Dead/Alive' column contains status indicators: a green circle with a checkmark for 'Alive' and a red circle with an 'X' for 'Dead'. A purple box highlights the 'Dead/Alive' column in both tables, and black arrows point to the 'Collapse' buttons for each family.

Publication Number	Publication Date	Inventor	Assignee/Applicant	Dead/Alive	Title
US20130053819A1	2013-02-28	Estes Mark C.	ASANTE SOLUTIONS INC	Alive	Infusion Pump System and Methods
EP2353116A2	2011-08-10	ESTES Mark C.	ASANTE SOLUTIONS INC	Dead	INFUSION PUMP SYSTEM AND METHODS
US20100094251A1	2010-04-15	Estes Mark C.	M2 MEDICAL GROUP HOLDINGS INC	Alive	Infusion Pump System and Methods
US20150320933A1	2015-11-12	Estes Mark C.	BIGFOOT BIOMEDICAL INC	Dead	Infusion Pump System and Methods
US8287487B2	2012-10-16	Estes Mark C.	ASANTE SOLUTIONS INC	Alive	Infusion pump system and methods
US9114210B2	2015-08-25	Estes Mark C.	BIGFOOT BIOMEDICAL INC	Alive	Infusion pump system and methods
WO2010045460A2	2010-04-22	ESTES Mark C.	M2 GROUP HOLDINGS INC	Dead	INFUSION PUMP SYSTEM AND METHODS
WO2010045460A9	2010-12-09	ESTES Mark C.	ASANTE SOLUTIONS INC	Dead	INFUSION PUMP SYSTEM AND METHODS

Publication	DWPI Update	Publication Date	IPC Code	Dead/Alive	Language
US20130053819A1 *	201318	2013-02-28	A61M0005168	Alive	English
US9114210B2 =	201556	2015-08-25	A61M0005142	Alive	English

Estimated Expiration Date

The Estimated Expiration Date is a calculated date when the patent will no longer be in force and able to be asserted.

A patent may expire naturally by reaching its expiration date, or expire prematurely by lapsing when the maintenance/renewal fee is not paid within the grace period, or extend past an expiration date because of legal events.

Various factors, provided by law, can affect an expiration date. Some may shorten it, and others extend it. The factors that account for a particular patent’s expiration date are displayed in record view and export. The factors used to calculate the Legal Status information on Derwent Innovation are listed below:



Estimated Remaining Life



This is the time remaining before a patent is predicted to expire.

It is displayed in years and months in the Result Set; months are rounded down.

In the Results Dashboard and text filters, this is displayed in years.

Note: Displayed in descending years in the Results Dashboard and frequency in text filters.

In the Record View, this data will be displayed by days, followed by the year/month equivalent. A patent that has expired has an estimated remaining life of 0 (zero).

Dead/Alive	Estimated Expiration Date	Estimated Remaining Life
Dead	2016-06-21	0 year(s)
Alive	2025-03-15	7 year(s) 9 month(s)
Alive	2024-04-02	6 year(s) 10 month(s)
Dead	2014-09-02	0 year(s)

Dead/Alive Indicators

Records are marked as Dead, Alive or Indeterminate:

Dead denotes that a patent is no longer in force because it has reached its natural expiration date or because it has lapsed and prematurely expired (for example due to failure to pay maintenance/renewal fees). A patent application that has been withdrawn or abandoned will also be marked as Dead, which is always shown as red.



Alive denotes that a patent has not expired and is still in force and able to be asserted or an application still undergoing prosecution. Alive is always shown as green.

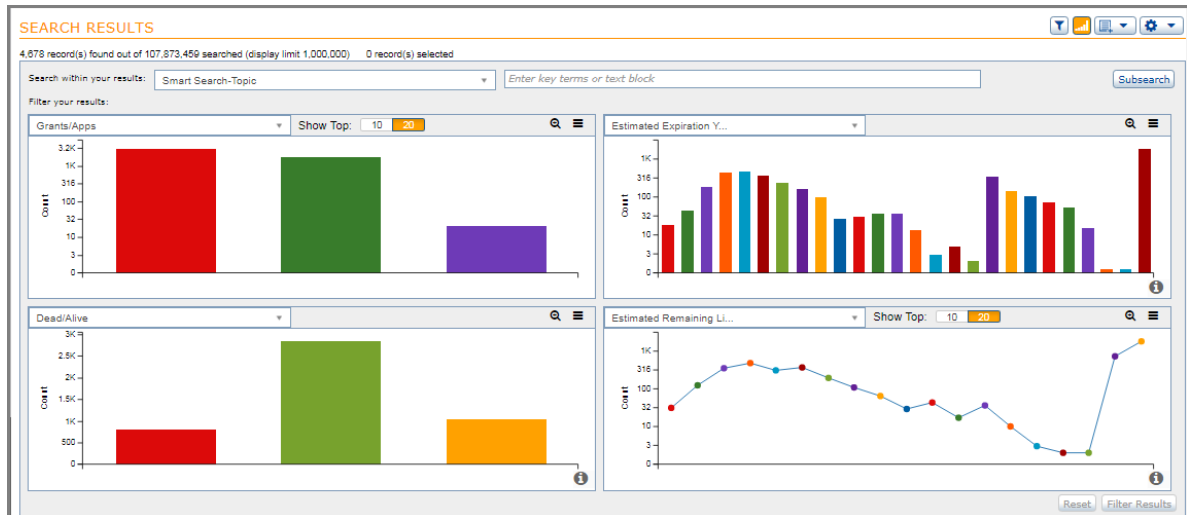
Indeterminate denotes that there is no information or insufficient information to make any determinations. Indeterminate is always shown as yellow.

A patent that is dead will have an expiration date that has passed and zero life remaining.

Note: EP patents and applications are affected by many positive & negative legal status events many of which only relate to one or a few contracting states. These include, for example: (non-) payment of designation or annual fees, extensions, oppositions, and other national events. Thus, all EPO filings will have an indeterminate status for the time being.

Estimated Expiration Date	Estimated Remaining Life	Dead/Alive 
2034-05-25	16 year(s) 11 month(s)	 Alive
2034-04-23	16 year(s) 10 month(s)	 Alive
-	-	 Indeterminate
2016-07-26	0 year(s)	 Dead
2017-04-28	0 year(s)	 Dead

The new fields Estimated Expiration Date, Estimated Remaining Life and Dead/Alive Status are all available in the Result Set, Results Dashboard, Text Filters, and via Export.

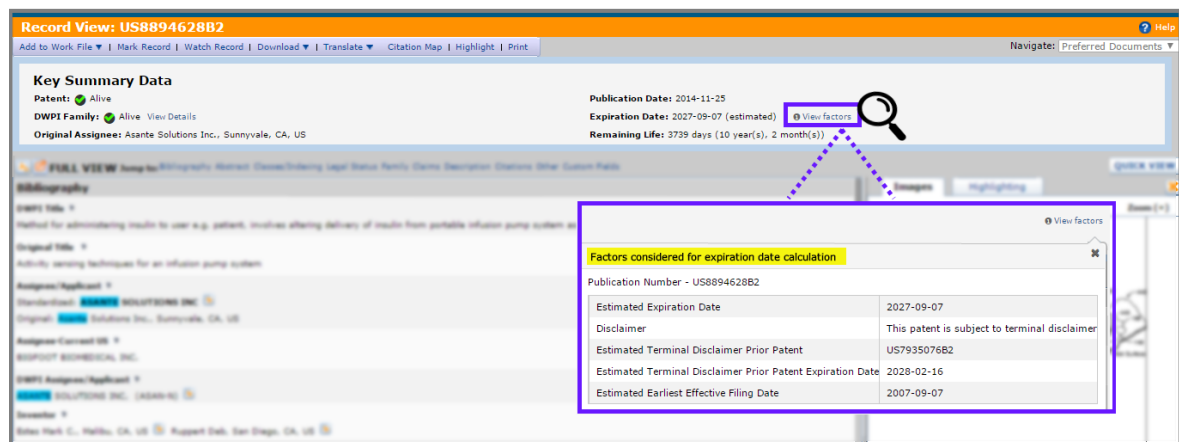


How is the new Legal Status Information on Derwent Innovation calculated?

Many factors influence the calculations for Estimated Expiration Date and Estimated Remaining Life. These include earliest effective filing date, National and PCT filing procedures, fee payments (or lack thereof), patent term extensions (e.g. SPCs and similar extensions for pharmaceuticals and agrochemicals). For the United States, other factors such as the 1995 Rule, terminal disclaimers, and patent term extension and adjustment are taken into consideration.

The factors considered for Estimated Expiration Date for each patent can be seen on the Record View by clicking on the link “View Factors”.

The factors, along with the Dead/Alive indicators are also exportable.



Export & Report Preferences Feedback ? Help

Patent Literature Business

Select recent template: No template selected Browse

Format: Excel 2007 (.xlsx)

Available Fields

Estimated Expiration Date
 Estimated Expiration Date Factors
 Estimated Remaining Life
 Dead/Alive
 Dead/Alive DWPI Family Status

Chosen Fields

Publication Number
 Title
 Title - DWPI
 Priority Number
 Priority Date
 Application Number
 Application Date
 Publication Date
 IPC - Current
 IPC - Current - DWPI
 Assignee/Applicant
 Assignee - Current US
 JP F Terms
 JP FI Codes
 Item Number

Default Save

1	A	B	C	D	E	F	G	H	I	J	K	L	M
2	Derwent Innovation	Estimated Expiration Date	Estimated Expiration Date Factors - Estimated Earliest Effective Filing Date	Estimated Expiration Date Factors - 35 U.S.C. Patent Term Adjustment	Estimated Expiration Date Lapse Factor	Estimated Remaining Life	Dead/Alive	Dead/Alive DWPI Family Status	Estimated Expiration Date Factors - Issue Date	Estimated Expiration Date Factors - Term of Design	Estimated Expiration Date Factors - Estimated Terminal Disclaimer Prior Patent	Estimated Expiration Date Factors - Terminal Disclaimer Prior Patent Expiration Date	Estimated Expiration Date Factors - Disclaimer Text Flag
2	US9660491B2			886			Indeterminate	No associated DWPI family					
3	US9647457B2	2014-05-25	2012-09-28	604		6184 Days, (16 Years, 11 Months)	Alive	Alive					
4	US9644613B2	2014-04-23	2011-10-26	910		6152 Days, (16 Years, 10 Months)	Alive	Alive					
5	US8191310B2	2016-07-26	2009-11-23	147	US FP EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE 2016-07-26	0 Years	Dead	Indeterminate					
6													