

Patent Status Indicator in INPADOCDB and INPAFAMDB

To meet the growing need for predictive data of the lifetime status of a patent application, the new field **Status Indicator (/STI)** is applied for each application in INPADOCDB and INPAFAMDB. The field STI contains one of four possible status entries: ALIVE, DEAD, TRANSITIONAL and INDETERMINATE. The new indicator can be used to enhance search, display and analysis functionality in INPADOCDB and INPAFAMDB.

The status of a given application is based on legal events reflected in more than 4,200 codes classified by FIZ Editorial and corresponding gazette dates and/or the calculated expiration date XPD.

Patent term adjustment days (searchable in the field **/PTA**) for US applications as well as extension or expiration dates for SPCs for more than 25 patent authorities are taken into account in the calculation.

Status Indicator flags

In order to reflect the status of an application more accurately, not only the obvious indicators ALIVE and DEAD are introduced, but also the indicators TRANSITIONAL and INDETERMINATE.

An application has the status **ALIVE** if the application is still under active prosecution or the granted patent is in force. The calculated expiration date is not exceeded and the latest available legal event is classified as an active event.

An application has the status **DEAD** if the calculated expiration date is exceeded or the latest available legal event is classified as an inactive event. The application is no longer being pursued, or the rights granted to the IP holder are no longer in force, due to expiry, withdrawal by the IP rights holder, permanent cancellation due to non-payment of fees past any deadlines, etc.

An application has the status **TRANSITIONAL**, if a lapse or withdrawal event (e.g. due to non-payment of fees) is the latest available legal event. If no further event occurs, the application turns DEAD 6 months later, but it could also change to ALIVE again earlier, if for example a late fee payment event is published. The status TRANSITIONAL is intended to inform that an application may change to status DEAD and that it should therefore be observed in particular. For a small number of publications without calculated expiration date and without legal status information the status TRANSITIONAL is applied until the end of the expected life.

INDETERMINATE is exclusively used for granted EP and EA documents and means that the status cannot be determined within the 20 years term after filing. EP and EA applications are affected by a large volume of positive and negative legal events. Events include, for example, (non-) payment of designation or annual fees, extensions, appeal or opposition. Many of these events relate to only one or a few of the contracting states, some of them are duplicated by the national offices. Thus, all EPO and EAPO filings will have an INDETERMINATE status for the time being, as any other status would be misleading. EP and EA pre-grant applications can be ALIVE, TRANSITIONAL, or DEAD.

PCT applications are ALIVE for the time a PCT application can enter the national or regional phase.

For authorities for which no legal status data is available, the status DEAD or ALIVE is assigned based on publication data and/or the calculated expiration date.

DEAD applications can turn ALIVE if the application has not exceeded the calculated expiration date. If a lapse or withdrawal legal event occurs, the application turns to the 6 months TRANSITIONAL period followed by the DEAD status. In case the negative event is succeeded by a positive event the application will turn ALIVE again.

Please note that in rare cases US publications are listed with the status DEAD in the STI field due to the passed calculated expiration date in the XPD field, which is based on the earliest effective filing date of the first US priority application, while on the website of the USPTO these publications are listed as “Patented Case”, e.g. due to late fee payments, despite exceeded expiration date. It is recommended to search the status of US publications in INPAFAMDB, as in some of these cases at least one US publication of the international family has the status ALIVE.

Time coverage of the Status Indicator is from the 19th century to the present. The Status Indicator is updated with each INPADOCDB update.

Status Established Date

The **Status Established Date (/STED)** provides the date on which the status was initially calculated or last changed. For the backfile data Status Established Date Dates-reflects timeframe for initial calculation but going forward the dates align with real time legal events, gazette updates or expiration calculation updates.

Display of the Status Indicator

Both STI and STED are available as customer format D STI and D STED. In INPADOCDB the STI field is displayed in all bibliographic formats (BIB, STD, BRIEF, ALL, MAX) below the XPD field. In case of US publications, where patent term adjustment days are available, the number of PTA days is displayed next to the calculated expiration date.

```
L6 ANSWER 1 OF 738 INPADOCDB COPYRIGHT 2021 EPO/FIZ KA on STN

AN 102065790 INPADOCDB ED 20200716 EW 202029 UP 20200910 UW 202037 Full-text
FN 64051057
TIEN Storage Units and Robotic Storage/Retrieval Vehicles for a Three-Dimensional Storage System.
TL English
IN Gravelle, Scott; Lomas, Simon; Earl, John; Dhaliwal, Sundeep
INS GRAVELLE SCOTT, CA; LOMAS SIMON, CA; EARL JOHN, CA; DHALIWAL SUNDEEP, CA
PA Attabotics Inc.
PAS ATTABOTICS INC, CA
DT Patent
PI US 20200216298 A1 20200709 English
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20200709 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
XPD 20390402 (incl. 18 PTA days)
STI ALIVE
AI US 2019-16354539 A 20190315 USA Patent application
PRAI US 2019-16354539 A 20190315 USA Patent application (N,20200716)
US 2019-62790081 P 20190109 USP Provisional application (Y,20190808)
```

In INPAFAMDB the Status Indicator is displayed in the default BRIEF format in the patent table.

L10 ANSWER 4 OF 4 INPAFAMDB COPYRIGHT 2021 EPO/FIZ KA on STN

AN 1511148 INPAFAMDB EWF 201406 UWF 202008 UPFB 20200402
 TI MACROMOLECULAR CARRIER BASED ON DEXTRAN FOR DRUG AND DIAGNOSTIC AGENT DELIVERY
 INS VERA DAVID R, US
 PAS UNIV CALIFORNIA, US
 IPCI A61B0006-03; A61K0047-36; A61K0047-48; A61K0049-00; A61K0049-12; A61K0051-00; A61K0051-06; C08B0037-00; C08B0037-02
 IPCR A61K0047-20; A61K0047-36; A61K0047-42; A61K0047-48; A61K0049-00; A61K0049-12; A61K0049-14; A61K0051-00; A61K0051-06
 CPC A61B0006-508; A61K0047-61; A61K0049-085; A61K0049-128; A61K0051-065
 FCL A61K0051-04 320; C08B0037-00 K; C08B0037-02; A61B0006-03 375; A61K0049-00; A61K0049-00 C; A61K0049-02 C; A61K0049-06; A61K0049-08; A61K0051-00; A61K0051-00 200; A61K0051-02 200
 FTRM 4C090/BB62; 4C090/BB63; 4C090/BB65; 4C090/BD36; 4C090/CA36; 4C090/DA25; 4C093/AA24; 4C085/HH03; 4C085/HH07; 4C085/KA10; 4C085/KB11; 4C085/KB12; 4C085/LL03; 4C090/AA05; 4C090/AA09; 4C090/BA12
 AB New macromolecular carriers for drugs and diagnostic agents are described that make use of the chemical attachment of new leashes to oligomeric backbone structures. The synthesis of these leashes and their facile creation, reaction and conjugation with chelators and ligands makes them ideal candidates for use in medicine, and especially diagnostics. (US6409990 B1).

PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+		+----- Applications -----+		+- STI -+
AT 277642 T	T 20041015	AT 2000-937555	T 20000512	D
AU 2000052705	A 20001205	AU 2000-52705	A 20000512	D
DE 60014359	D1 20041104	DE 2000-60014359	T 20000512	D
DE 60014359	T2 20060223			
EP 1178838	A2 20020213	EP 2000-937555	A 20000512	I
EP 1178838	B1 20040929			
ES 2228536	T3 20050416	ES 2000-937555	T 20000512	D
JP 2002544243	A 20021224	JP 2000-617933	A 20000512	D
JP 4056701 B	B2 20080305			
JP 2007332380	A 20071227	JP 2007-175770	A 20070704	A
NL 300736 I	I1 20160126	NL 2015-300736C	C 20150429	T
NL 300736 I	I2 20160126			
US 6409990	B1 20020625	US 2000-569466	A 20000512	A
WO 2000069473	A2 20001123	WO 2000-US13300	W 20000512	D
WO 2000069473	A3 20010816			

+----- Priorities -----+	
US 1999-134329P	P 19990514
US 2000-569466	A 20000512
WO 2000-US13300	W 20000512

FSTAT 3 priorities, 10 applications, 15 publications (1 EPO simple family)
 9 countries, 179 legal status events

In INPADOCDB and INPAFAMDB the Status Indicator is displayed in the CFAM2

L10 ANSWER 4 OF 4 INPAFAMDB COPYRIGHT 2021 EPO/FIZ KA on STN

AN 1511148 INPAFAMDB

PATENT FAMILY INFORMATION

+----- Publications -----+		+----- Applications -----+		+- STI -+
AT 277642 T	T 20041015	AT 2000-937555	T 20000512	D
AU 2000052705	A 20001205	AU 2000-52705	A 20000512	D
DE 60014359	D1 20041104	DE 2000-60014359	T 20000512	D
DE 60014359	T2 20060223			
EP 1178838	A2 20020213	EP 2000-937555	A 20000512	I
EP 1178838	B1 20040929			
ES 2228536	T3 20050416	ES 2000-937555	T 20000512	D
JP 2002544243	A 20021224	JP 2000-617933	A 20000512	D
JP 4056701 B	B2 20080305			
JP 2007332380	A 20071227	JP 2007-175770	A 20070704	A
NL 300736 I	I1 20160126	NL 2015-300736C	C 20150429	T
NL 300736 I	I2 20160126			
US 6409990	B1 20020625	US 2000-569466	A 20000512	A
WO 2000069473	A2 20001123	WO 2000-US13300	W 20000512	D
WO 2000069473	A3 20010816			

+----- Priorities -----+	
US 1999-134329P	P 19990514
US 2000-569466	A 20000512
WO 2000-US13300	W 20000512

FSTAT 3 priorities, 10 applications, 15 publications (1 EPO simple family)
9 countries, 179 legal status events

and LFAM family formats.

MEMBER 5

AN 50414197 INPAFAMDB ED 20200611 EW 202024 UP 20200910 UW 202037
DN 101228594
PI ES 2764279 T3 20200602
STI ALIVE

MEMBER 6

AN 50414197 INPAFAMDB ED 20170713 EW 201728 UP 20200409 UW 202024
DN 83953833
PI JP 2017517521 A 20170629
STI ALIVE

AN 50414197 INPAFAMDB ED 20191107 EW 201945 UP 20200409 UW 202024
DN 83953833
PI JP 6594908 B B2 20191023
STI ALIVE

LEGAL STATUS

20170317 JPA521 WRITTEN AMENDMENT
JAPANESE INTERMEDIATE CODE: A523
20170126
COR Correction, Amendment, Modification in Specification
P RE-PUBLICATION OF DOCUMENT AFTER MODIFICATION
.....20191017

In the CFAM format both Status Indicator and Status Established Date are displayed:

L10 ANSWER 4 OF 4 INPAFAMDB COPYRIGHT 2021 EPO/FIZ KA on STN

AN 1511148 INPAFAMDB

PATENT FAMILY INFORMATION

+----- Publications -----+		+++ Status ---+	+++ Status Date ---+
AT 277642 T	T 20041015	DEAD	20210806
AU 2000052705	A 20001205	DEAD	20210806
DE 60014359	D1 20041104	DEAD	20210806
DE 60014359	T2 20060223	DEAD	20210806
EP 1178838	A2 20020213	INDETERMINATE	20210806
EP 1178838	B1 20040929	INDETERMINATE	20210806
ES 2228536	T3 20050416	DEAD	20210806
JP 2002544243	A 20021224	DEAD	20210806
JP 4056701 B	B2 20080305	DEAD	20210806
JP 2007332380	A 20071227	ALIVE	20210806
NL 300736 I	I1 20160126	TRANSITIONAL	20210806
NL 300736 I	I2 20160126	TRANSITIONAL	20210806
US 6409990	B1 20020625	ALIVE	20210806
WO 2000069473	A2 20001123	DEAD	20210806
WO 2000069473	A3 20010816	DEAD	20210806

FSTAT 3 priorities, 10 applications, 15 publications (1 EPO simple family)
9 countries, 179 legal status events

Monitoring of Status Indicator

For the manual monitoring of a status indicator like DEAD it is recommended to search in INPAFAMDB like:

=> S (PN1 or PN2 or PN3 or PN4)/PN (L) DEAD/STI (L) STED>20211001

This query retrieves specifically all named publications which turned DEAD since the given date.

For an alert a SDI can be created using STED/LAST:

=>S (PN1 or PN2 or PN3 or PN4)/PN (L) DEAD/STI (L) STED/LAST

This query retrieves those publication numbers which turned DEAD since the last STED date.

Important Note

The value in the field Status Indicator is created by the input and logic as described above and represents predicted values. It cannot be guaranteed to be 100% complete and accurate. For a legal opinion a qualified patent attorney should be consulted.