

SQL Server : GEN-SQL14-1

Database : PATSTAT

Data last updated : Autumn 2020 edition

Source : EPO, PATSTAT Global database, and OECD own calculations (tables in blue)

<Version>_CITATION	
Pat_publn_id*	Patent citation identifier
Citn_id*	Citation identifier
Citn_origin	Origin of citation
Cited_pat_publn_id*	Cited patent publication id
Cited_appln_id	Cited application id
Pat_citn_seq_nr	Patent cited ordering
Npl_publn_id*	Non patent literature citation id
Npl_citn_seq_nr	NPL cited ordering
Citn_gener_auth	Patent authority performing search (ISA)

<Version>_CITN_CATEG	
Pat_publn_id*	Patent citation identifier
Citn_id*	Citation identifier
Citn_category	Citation category

<Version>_NPL_PUBLN	
Npl_publn_id*	Non patent literature citation id
Npl_type	see PATSTAT data catalog
Non Patent literature details	
npl_biblio	
npl_author	
npl_title1	
npl_title2	
npl_editor	
npl_volume	
npl_issue	
npl_publn_date	
npl_publn_end_date	
npl_publisher	
npl_page_first	
npl_page_last	
npl_abstract_nr	
npl_doi	
npl_ibsn	
npl_issn	
online_availability	
online_classification	
online_search_date	

<Version>_HAN - additional table	
HAN_ID	HAN name identifier (top harmonisation)
HARM_ID	Harmonisation name identifier
Person_id	Person identifier
Person_name_clean	Proposed clean name - based on linked process
Person_pty_code	Country code

<Version>_HAN_ORBIS - additional table	
HAN_ID	HAN name identifier (top harmonisation)
Person_id	Person identifier
BVD_Id	ORBIS BVD_Id
Count_match	>1 in case of multiple matches

<Version>_HAN_NAMES - additional table	
HAN_ID	HAN name identifier (top harmonisation)
HAN_Person_name	Proposed clean name (applicant with largest portfolio)
Person_pty_code	Country code

<Version>_HARM_NAMES - additional table	
HARM_ID	Harmonised name identifier (lower level of harm)
HARM_Person_name	Proposed clean name (applicant with largest portfolio)
Person_pty_code	Country code

<Version>_QUALITY_EPO - Patent value - additional table	
Appln_id	Application identifier
filing	Application year
WIPO_Tech	Main technology of the patent (see WIPO_Tech)
Patent_Scope	Number of IPC 8 codes per patent
Fwd_Cits7	Number of forward citations (7 years window)
Fwd_Cits7_XY	Number of forward citations - XY type (7 years window)
Fwd_Cits5	Number of forward citations (5 years window)
Fwd_Cits5_XY	Number of forward citations - XY type (5 years window)
Bwd_Cits	Number of backward citations - patents only
Claims	Number of claims
Claims_Bwd	Number of claims per backward citations
Generality_uw	Generality index - 5 years
Generality_uw7	Generality index - 7 years
Radical_Shane	Radical index - Shane definition
Originality	Originality index - IPC 8
Originality_4	Originality index - IPC 4
Family_size	Family size (number of offices)
Grant_lag	Grant lag
Breakthrough	=1 if patent in top 1% cited patents in cohort
Breakthrough_XY	=1 if patent in top 1% cited patents in cohort (XY only)
NPL	Number of NPL references
Backward_Scope	Backward patent over scope

See: Soucciarini et al (2013).

<Version>_PAT_PUBLN	
Pat_publn_id*	Patent publication id
Publn_auth	Publication authority
Publn_nr	Publication number
Publn_nr_original	Publication number - original format
Publn_kind	Publication kind
Appln_id	
Publn_date	Publication date
Publn_lg	Publication language
Publn_first_grant	=1 when the patent was first granted
Publn_claims	Number of claims per EP/US patent

<Version>_PERS_PUBLN	
Person_id*	Person identifier (linked to versions of the published patent)
Pat_Publn_id	Patent publication id
Appln_seq_nr	Applicants ordering, > 0 if applicant
Invnt_seq_nr	Inventors ordering, > 0 if inventor

<Version>_PERS_APPLN	
Person_id*	Person identifier (linked to the last publication of the patent)
Appln_id	Application id
Appln_seq_nr	Applicants ordering, > 0 if applicant
Invnt_seq_nr	Inventors ordering, > 0 if inventor

<Version>_PERSON	
Person_id*	Person identifier
Person_pty_code	Country code
Person_name	Inventor or applicant
Person_address	Address
Doc_std_name_id*	Identifier for std names (DocDB) - not recommended
Psn_id*	Identifier for KUL standard names

<Version>_DOC_STD_NAME	
Doc_std_name_id*	Identifier for std names (DocDB) - not recommended
Doc_std_name	Basic harmonisation of names

<Version>_PSN_NAME	
Psn_id*	Identifier for KUL standard names
Psn_name	Harmonised name - KUL
Psn_level	Level of name harmonisation

<Version>_PSN_SECTOR	
Psn_id*	Identifier for KUL standard names
Psn_Sector	Sector of applicant name

See Eurostat WP for further details on the harmonisation by KUL.

<Version>_INST - additional table	
Person_id*	Person identifier
Individuals	
Companies	
Government	
Universities	
Hospital	
PNP	
Unknown	

<Version>_PERSON_REGPAT - additional table	
Person_id*	Person identifier
Address_id*	Address identifier - (from REGPAT dataset)
NUTS3_Code	Regional code - lowest available level
Region_Share	<1 when more than 1 region allocated
Ctry_Code	Corrected country code

<Version>_QUALITY_EPO_NORM - additional table	
Appln_id	Application identifier
Patent_Scope	
Fwd_Cits7	
Fwd_Cits7_XY	
Fwd_Cits5	
Fwd_Cits5_XY	
Bwd_Cits	
Claims	
Claims_Bwd	
Family_size	
Grant_lag	
NPL	
Composite_index_4	Average: Fwd_cits5+Claims+Family_size+Generality
Composite_index_4_b	Average: Fwd_cits5+Claims_bwd+Family_size+Generality
Composite_index_6	Same plus grant lag and Bwd_cits

<Version>_APPLN	
Appln_id	Application identifier
Appln_auth	Application authority
Appln_nr	Patent application number
Appln_kind	Application kind
Appln_filing_date	Application date
Appln_filing_year	Application year
Appln_nr_EPDOC	Formatted application nbr - EPDOC
Appln_nr_Original	Original application number
IPR_Type	IPR Type
Internat_appln_id*	PCT number if any
Int_Phase	International phase
Reg_Phase	Regional phase
Nat_Phase	National phase
Earliest_filing_date	
Earliest_filing_year	
Earliest_filing_id	Summarised info
Earliest_publn_date	See DataCatalog
Earliest_pat_publn_id	
Granted	
DOCDB_Family_id	DOCDB family identifier
INPADOC_Family_id	INPADOC family identifier
DOCDB_Family_size	
Nb_Citing_DOCDB_Fam	
Nb_applicants	Summarised info
Nb_inventors	See DataCatalog

<Version>_APPLN_TITLE	
Appln_id	
Appln_title_lg	Language of patent title
Appln_title	Patent title

<Version>_APPLN_ABSTRACT	
Appln_id	
Appln_abstract_lg	Language of patent abstract
Appln_abstract	Patent abstract

<Version>_PRIO_INV (propagated inventors)	
Priority_appln_id	Priority application
Prio_year	Priority year
Prio_Type	=E if claimed prio / P if singleton
Prio_cou	Priority country
Appln_id	
Person_id	When retrieved
Inv_pty_Code	Propagated person_pty_code
Inv_source	I: Inv from Prio; A: App from Prio; SI: Inv from subsequent Appln; SA: App from subs. Appln; P: from Priority cou

<Version>_PRIO_APP (propagated applicants)	
Priority_appln_id	Priority application
Prio_year	Priority year
Prio_Type	=E if claimed prio / P if singleton
Prio_cou	Priority country
Appln_id	
Person_id	When retrieved
App_pty_code	Propagated person_pty_code
App_source	I: Inv from Prio; A: App from Prio; SI: Inv from subsequent Appln; SA: App from subs. Appln; P: from Priority cou

<Version>_QUALITY_USPTO - additional table	
Appln_id	Application identifier
filing	Application year
WIPO_Tech	Main technology of the patent (see WIPO_Tech)
Patent_Scope	Number of IPC 8 codes per patent
Fwd_Cits7	Number of forward citations (7 years window)
Fwd_Cits5	Number of forward citations (5 years window)
Bwd_Cits	Number of backward citations - patents only
Claims	Number of claims
Claims_Bwd	Number of claims per backward citations
Generality	Generality index - 5 years
Radical_Shane	Radical index - Shane definition
Originality	Originality index - IPC 8
Family_size	Family size (number of offices)
Grant_lag	Grant lag
Breakthrough	=1 if patent in top 1% cited patents in cohort
NPL	Number of NPL references
Backward_Scope	Backward patent over scope

<Version>_APPLN_IPC	
Appln_id	
Class_symbol	IPC code
Level	IPC level
Version	Version of the IPC
Value	
Position	
Gener_auth	See DataCatalog

<Version>_APPLN_CPC	
Appln_id	
CPC_Class_Symbol	CPC classification symbol
CPC_Scheme	CPC (EPO or USPTO): CPCNO (other offices)
CPC_Version	Version of the CPC (date)
CPC_Value	Classification refer to invention (I) or to unrelated aspects (A-additional)
CPC_Position	F(first), L(later) or unidentified
CPC_Gener_auth	

<Version>_TECH - additional table	
Appln_id	
Tech	Technology fields (ICT, Biotech, etc.)

<Version>_ENV_TECH - additional table (OECD)	
Appln_id	
Env_Tech	Selected Env related technologies
Domain	Environment-related domain

See taxonomy of ENV-TECH patents

<Version>_ICT_TECH - additional table (OECD)	
Appln_id	
ICT_Code	ICT category
ICT_Sub_code	ICT sub category
ICT_Main	=1 if the IPC is mainly linked to ICT_code, = 2 otherwise
ICT_Share	% of IPC that belong to the ICT category
ICT_Content	% of IPC listed in the patent that refer to ICT

<Version>_TECH_WIPO - WIPO technologies (from IPC codes)	
Appln_id	
Sub_field_2008	WIPO field (up to 35)
Sub_share	Nb of IPC in a given field
Total_Field	Total nb of IPC per patent

See: WIPO IPC-Technology concordance, rev February 2016

<Version>_APPLN_PRIOR	
Appln_id	
Prior_Appln_id	Application id of priority applications
Prior_appln_seq_nr	Priority nbrs ordering

<Version>_APPLN_TECH_REL	
Appln_id	
Tech_rel_appln_id*	Related Application id

<Version>_APPLN_CONTN	
Appln_id	
Parent_appln_id*	Parent application id
Contn_type	Related Application id

<Version>_QUALITY_USPTO_NORM - additional table	
Appln_id	Application identifier
Patent_Scope	
Fwd_Cits7	
Fwd_Cits5	
Bwd_Cits	
Claims	
Claims_Bwd	
Family_size	
Grant_lag	
Composite_index_4	Average: Fwd_cits5+Claims+Family_size+Generality
Composite_index_4_b	Average: Fwd_cits5+Claims_bwd+Family_size+Generality
Composite_index_6	Same plus grant lag and Bwd_cits

ENV_TECH_2017	
Env_tech	
Hierarchy	Upper level env_tech
ENG	English label
FRA	French label

WIPO_IPC_FIELD_201907	
Sector code	Sector code (1-5)
Field_Code	Field code (1-35)
IPC	IPC code - PATSTAT format
IPC_EPO	IPC code - PAT_EP IPC format

WIPO_FIELD_LABEL_2016	
Field_Code	Field code (1-35)
EN	English label
FR	French label
EN_Short	English - short label for publications
FR_Short	French - short label for publications

WIPO_SECTOR_LABEL_2016	
Sector code	Sector code (1-5)
EN	English label
FR	French label

<Version>_IP5_FAM_STRICT (IP5 families, no singletons)	
Inpadoc_Family_id	INPADOC family identifier
Appln_id	Application identifier
Publn_auth	One of the IP5 offices - EP, JP, KR, US, CN
Appln_filing_date	
First_IP5_date	Earliest application at one of the IP5
Priority_appln_id	Priority application of the family
IP5_2_offices	= 1 if 2 IP5 or more
First_filing	Earliest filing date of the family (all members)

<Version>_IP5_FAM_BROAD (singletons only)	
Inpadoc_Family_id	INPADOC family identifier
Appln_id	Application identifier
Publn_auth	One of the IP5 offices - EP, JP, KR, US, CN
Appln_filing_date	
First_IP5_date	Earliest application at one of the IP5
Priority_appln_id	Priority application of the family
First_filing	Earliest filing date of the family (all members)

<Version>_INPADOC_LEGAL_EVENT	
Event_id	Event identifier
Appln_id	
event_seq_nr	
event_type	
event_auth	
event_code	
event_filing_date	
event_publn_date	
event_effective_date	
event_text	
ref_doc_auth	
ref_doc_nr	
ref_doc_kind	
ref_doc_date	
ref_doc_text	
party_type	
party_seq_nr	
party_new	
party_old	
spc_nr	
spc_filing_date	
spc_patent_expiry_date	
spc_extension_date	
spc_text	
designated_states	
extension_states	
fee_country	
fee_payment_date	
fee_renewal_year	
fee_text	
lapse_country	
lapse_date	
lapse_text	
reinststate_country	
reinststate_date	
reinststate_text	
class_scheme	
class_symbol	

<Version>_LEGAL_EVENT_CODE	
event_auth	
event_code	
event_impact	
event_descr	
event_descr_orig	
event_category_code	
event_category_title	