ENCOMPPAT (Encompass Patent Database for Subscribers)
ENCOMPPAT2 (Encompass Patent Database for Non-Subscribers)

STN® THE CHOICE OF PATENT EXPERTS™

Subject Coverage

- Alternative Energy Sources
- Engineering and Process Work
- Environmental Effects
- Fuels
- Oilfield Chemicals (1981-)
- Petrochemical Industries
- Petroleum Processing
- Transportation and Storage of Petroleum and Petroleum Products

File Type

Bibliographic

Access

ENCOMPPAT – Available only to EnCompass subscribers.
ENCOMPPAT 2 – For EnCompass non-subscribers. Access by non-subscribers is restricted to 2 hours per year combined usage with ENCOMPLIT2 on all vendors.

Features

Thesauri	None		
Alerts (SDIs)	Weekly or monthly (monthly is default) for ENCOMPPAT customers only. No SDIs available for ENCOMPPAT2.		
CAS Registry Number® Identifiers	☑	Page Images	☐
Keep & Share	☑	SLART	☑
Learning Database	☐	Structures	☐

Record Content

- Bibliographic information
- Abstract
- Indexing Terms
- CAS Registry Numbers®

File Size

More than 922,789 records (09/2020)

Coverage

1964-present

Updates

Weekly

Language

English

Database Producer

Elsevier (Engineering Information)
360 Park Avenue South
New York, NY 10010 USA
Phone: (1) 212-633-3895
Fax: (1) 212-633-3680
Email: eicustomersupport@elsevier.com
Copyright Holder

Database Supplier

FIZ Karlsruhe
STN Europe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49-7247-808-555
Fax: +49-7247-808-259
Email: helpdesk@fiz-karlsruhe.de

Sources

- Derwent European Patent Report
- Derwent Chemical Patents Index (1972-)
- Chemical Abstracts (non-Derwent)

User Aids

- EnCompass Documentation (available from the producer)
- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Clusters

- ALLBIB
- AUTHORS
- CASRNS
- CORPSOURCE
- ENGINEERING
- ENVIRONMENT
- FUELS
- GEOSCIENCE
- HPATENTS
- PATENTS
- PETROLEUM

STN Database Cluster Information:
http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features

Search and Display Field Codes

The fields that allow left truncation are marked with an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the title (TI), abstract (AB), controlled (CT), linked (LT) and supplementary (ST) term fields, assigned controlled (CTA) and manual linked term (LTM) fields, as well as CAS Registry Numbers) **(1)**	None (or /BI)	S HYDROCARBON# S 50-00-0 S SHALE OIL	AB, CT, CTA, LT, LTM, RN, ST, TI
Abstract *	/AB	S ENERGY EFFICIENCY/AB S ?DRILL?/AB	AB
Accession Number	/AN	S 2012:4921	AN
Assigned Template	/ATM	S TEMPLATE AVAILABLE/ATM	ATM
CAS Registry Number	/RN	S 536-74-3/RN	CT, LT, RN
Classification Code **(4)**	/CC	S OIL FIELD CHEMICALS/CC	CC
Controlled Term **(2)**	/CT	S CATALYTIC CRACKING/CT S ETHYLENE-A/CT S ACETIC ACID-P/CT S *BENZENE RING/CT	CT
Controlled Term, Assigned **(1)**	/CTA	S HYDROTREATING/CTA	CTA
Controlled Word (includes main term)	/CW	S CRACKING/CW S *GASIFICATION/CW	CT
Designated State	/DS	S JP/DS	DS
Document Number	/DN	S 8415504/DN S 31F0016/DN	DN
Document Type (code and text)	/DT (or /TC)	S P/DT	DT
Entry Date **(2)**	/ED	S L1 AND ED>=20010100	ED
Family Member Country	/FC	S BE/FC	FI
Family Member Date **(2)**	/FD	S 19841011/FD	FI
Family Member Number **(3)**	/FN	S EP543340/FN S EP-543340/FN	FI
Family Member Year	/FY	S 2005/FY	FI
Field Availability	/FA	S AB/FA	FA
International Patent Classification (IPC)	/IPC	S A01N/IPC S A01N025/IPC	IPC
Inventor	/IN (or /AU)	S TOMIHARA H/IN	IN
Language (code and text)	/LA	S EN/LA	LA
Linked Terms	/LT	S (HYDROCARBON (L) C8)/LT	LT, LTM
Linked Terms, Manual	/LTM	S HYDROCHLORIC ACID/LTM	LTM
Other Source	/OS	S DERWENT/OS	OS
Patent Application Country (WIPO code and text)	/AC	S JP/AC	AI
Patent Application Date **(2)**	/AD	S AD>JAN 3 1992 S 20000121/AD	AI
Patent Application Number **(3)**	/AP	S US 1980-220654/AP S 80US-0220654/AP	AI
Patent Application Year **(2)**	/AY	S 1995-1997/AY	AI
Patent Assignee **(4)**	/PA (or /CS)	S DOW/PA S DOW CHEM?/PA	PA

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Patent Country (WIPO code and text)	/PC	S US/PC	PI
Patent Number **(3)**	/PN	S EP10012/PN S EP--10012/PN	PI
Physical Properties	/PHP	S DEN/PHP (5A) PLATINUM/BI	KWIC
Priority Country	/PRC	S DE/PRC	PRAI
Priority Date **(2)**	/PRD	S 19700226/PRD S PRD>FEB 26 1992	PRAI
Priority Number **(3)**	/PRN	S JP 1968-55739/PRN S 68JP-0055739/PRN	PRAI
Priority Year **(2)**	/PRY	S 1980-1988/PRY	PRAI
Publication Date **(2)**	/PD	S 20010104/PD	PI
Publication Year **(2)**	/PY	S 1999-2001/PY	PI
Supplementary Term	/ST	S MCM-22 ZEOLITE/ST	ST
Template Description	/TD	S BENZENE/TD	TD
Title*	/TI	S FLUE GAS?/TI	TI
Update Date **(2)**	/UP	S L7 AND UP>20010100	ED

(1) You may search for controlled terms as reactants by appending -A; as products by appending -P; as major terms by prefixing terms with *.
(2) Numeric search field that may be searched with numeric operators or ranges.
(3) Either STN or Derwent format may be used.
(4) Search with implied (S) proximity is available in this field.

Super Search Fields (1)

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Patent Application and Priority Number **(2)**	/APPS	/AP, /PRN	S BR91-3150/APPS S 91BR-0003150 APPS	AI, PRAI
Patent Countries	/PCS	/PC, /DS, /FC	S DE/PCS	DS, FI, PI
Patent Numbers **(2)**	/PATS	/PN, /FN	S EP10012/PATS	FI, PI

(1) Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.
(2) Either STN or Derwent format may be used.

Property Fields[1)]

In ENCOMPPAT/ENCOMPPAT2 a numeric search for a specific set of physical properties (/PHP) is available within the basic index, title, and abstract fields. The numeric values are not displayed as single fields, but highlighted within the hit displays.

Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in the abstract and title fields. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search.

Field Code	Property	Unit	Symbol	Search Examples
/AOS	Amount of substance	Mol	mol	S 10 /AOS
/BIR	Bit Rate	Bit/Second	bit/s	S 330/BIR
/BIT	Stored Information	Bit	Bit	S BIT > 3 MEGABIT
/CAP	Capacitance	Farad	F	S 1-10 MF/CAP
/CDN	Current Density	Ampere/Square Meter	A/m^2	S CDN>10 A/M**2
/CMOL	Molarity, Molar Concentration	Mol/Liter	mol/L	S UREA/BI (S) 2/CMOL

Property Fields[1)] (cont'd)

Field Code	Property	Unit	Symbol	Search Examples
/CON	Conductance	Siemens	S	S 1S-3/CON
/DB	Decibel	Decibel	dB	S DB>50
/DEG	Degree	Degree	°	S CYLINDER/BI (S) 45/DEG
/DEN	Density (Mass Concentration	Kilogram/Cubic Meter	kg/m³	S 5E-3-10E-3/DEN
/DEQ	Dose Equivalent	Sievert	Sv	S 2/DEQ
/DOS	Dosage	Milligram/Kilogram	mg/kg	S DOS>0.8
/DV	Viscosity, dynamic	Pascal * Second	Pa * s	S DV>5000
/ECD	Electric Charge Density	Coulomb/Square Meter	C/m²	S 10E-6 - 10E-5 C/M**2 /ECD
/ECH	Electric Charge	Coulomb	C	S 2-3/ECH
/ECO	Electrical Conductivity	Siemens/Meter	S/m	S ECO>800 S/M
/ELC	Electric Current	Ampere	A	S 1-10/ELC
/ELF	Electric Field	Volt/Meter	V/m	S 650-700/ELF
/ENE	Energy	Joule	J	S SEMICONDUCT? (10A) 20-30 /ENE
/ERE	Electrical Resistivity	Ohm * Meter	Ohm * m	S ERE>2
/FOR	Force	Newton	N	S 50 N /FOR
/FRE	Frequency	Hertz	Hz	S OSCILLAT?/BI (S) 1- 3/FRE
/IU	International Unit	none	IU	S IU>1000 (P) ANTIBIOTIC
/KV	Viscosity, kinematic	Square Meter/Second	m^2/s	S SILICON?/BI (5A) 10E-5 M**2/S /KV
/LEN (or /SIZ)	Length, Size	Meter	m	S 1-4/LEN
/LUME	Luminous Emittance, Illuminance	Lux	lx	S 10-50/LUME
/LUMF	Luminous Flux	Lumen	Lm	S LUMF>1000
/LUMI	Luminous Intensity	Candela	cd	S LUMI<4
/M	Mass	Kilogram	kg	S ALLOY/BI (30A) 1E-10-1E-5/M
/MCH	Mass to Charge Ratio	none	m/z	S MCH=100
/MFD (or /MFS)	Magnetic Flux Density	Tesla	T	S MFD>102
/MFR (or /MFL)	Mass Flow Rate	Kilogram/Second	kg/s	S MFR<0.1
/MM	Molar Mass	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM
/MOLS	Molality of Substance	Mol/Kilogram	mol/kg	S 01.-10 MOL/KG/MOLS
/MVR	Melt Volume Rate	none	g/10 min	S 3/MVR
/PER	Percent (Proportionality)	none	%	S POLYMER?/AB (5A) 4/PER
/PERA	Permittivity, Absolute	Farad/Meter	F/m	S DIELECTRIC/BI (S) 4- 4.1/PERA
/PHV	pH Value	pH	pH	S 7.4-7.6/PHV
/POW	Power	Watt	W	S LIGHT/BI (S) ENERGY/BI (S) 350 WATT/POW
/PRES (or /P)	Pressure	Pascal	Pa	S (VACUUM (5A) DISTILL?)/BI (S) 1000-1100/PRES
/RAD	Radioactivity	Becquerel	Bq	S RAD/PHP
/RES	Electrical Resistance	Ohm	Ohm	S SENSOR /BI (S) 10- 100/RES
/RSP	Rotational Speed	Revolution/Minute	rpm	S 2-100/RSP (S) MACHINE/AB
/SAR	Area /Surface Area	Square Meter	m²	S (COATING? OR FOIL?)/BI (S) 10-100/SAR
/SOL	Solubility	Gram/100 gram	g/100 g	S SOL>20 (10W) WATER
/STSC	Surface Tension	Joule /Square Meter	J/m²	S 60 J/M**2/STSC
/TCO	Thermal Conductivity	Watt/Meter * Kelvin	W/m * K	S 1/TCO (S) HEAT?
/TEMP (or /T)	Temperature	Kelvin	K	S (REACTION? (10A) ENZYM?) (S) 5/TEMP
/TIM	Time	Second	s	S ?INCUB?/BI (10A) 10-50/TIM
/VEL (or /V)	Velocity	Meter per Second	m/s	S REDUC?/BI (S) 1E-3-5E-3/VEL
/VELA	Velocity, angular	Radian/Second	rad/s	S VELA>10
/VLR	Volumetric Flow Rate	Cubic Meter/Second	m³/s	S 1-2/VLR
/VOL	Volume	Cubic Meter	m³	S 1E-8-2E-8/VOL.EX
/VOLT	Voltage	Volt	V	S POTENTIAL/BI (10A) 5E-3 V <VOLT<7E-3 V

(1) Exponential format is recommended for the search of particularly high or low values, e.g. 1.8E+7 or 1.8E7 (for 18000000) and 9.2E-8 (for 0.000000092).

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by commas, or spaces, e.g., D L3 1-10 TI,PA,PI. The fields are displayed or printed in the order requested.

Hit-term highlighting is available in all fields. Highlighting must be ON during SEARCH to use HIT, KWIC, and OCC.

Format	Content	Examples
AB	Abstract	D 1-3 AB
AI (AP) **(1)**	Application Information	D AI 1-5 D 1-5 AP
AN	Accession Number	D L4 5 AN
ATM	Template Available	D ATM
CC	Classification Code	D 7 CC
CT	Controlled Term	D 1-4 CT
CTA **(2)**	Controlled Term, Assigned	D CTA
DN	Document Number	D 1,5,8 DN
DS	Designated State	D 1-4 L2 DS
ED	Entry Date	D ED
FA	Field Availability	D FA
FI (FN) **(1)**	Family Information	D 1-5, 10 FI
IPC	International Patent Classification (IPC)	D 3 5 7 IPC
IN (AU)	Inventor	D IN
LA	Language	D LA
LT	Linked Terms	D LT
LTM	Linked Terms, Manual	D LTM L3
OS	Other Source	D 2, 5 OS
PA (CS)	Patent Assignee	D L2 1-3 PA
PI (PN) **(1)**	Patent Information	D 1,5,10 PI
PRAI (PRN) **(1)**	Priority Information	D PRAI
RN	CAS Registry Number	D 1-5 RN
ST	Supplementary Term	D 1-2 ST
TD	Template Description	D TD 6
TI	Title	D TI
UP	Update Date	D UP
ABS	AN, AB	D L3 1-5 ABS
ALL **(1)**	AN, DN, TI, IN, PA, PI, DS, AI, PRAI, FI, OS, DT, LA, ED, AB, IPC, CC, CT, ST, LT, ATM	D 3 ALL
ALLT **(1)**	AN, DN, TI, IN, PA, PI, DS, AI, PRAI, FI, OS, DT, LA, ED, AB, IPC, CC, CT, ST, LTM, ATM	D 1,4 ALLT
APPS **(1)**	AI, PRAI	D APPS
BIB **(1)**	AN, DN, TI, IN, PA, PI, DS, AI, PRAI, OS, DT, LA, ED (BIB is the default)	D 1,3,8-10 BIB
IALL **(1)**	ALL, indented with text labels	D IALL
IALLT **(1)**	ALLT, indented with text labels	D IALLT
IBIB **(1)**	BIB, indented with text labels	D IBIB
IND	DN, IPC, CC, CT, ST, LT, ATM	D L2 1-20 IND
ISTD **(1)**	STD, indented with text labels	D ISTD
PATS **(1)**	PI, FI	D PATS
STD **(1)**	AN, DN, TI, IN, PA, PI, DS, AI, PRAI, FI, OS, DT, LA, ED, IPC	D STD
SCAN **(3)**	TI, IPC, CC, CT, ST, LT, ATM (random display, no answer numbers)	D SCAN
TRIAL	AN, TI, IPC, CC, CT, ST, LT, ATM	D 1-15 TRIAL
TRIALT	AN, TI, IPC, CC, CT, ST, LTM, ATM	D 1-15 TRIALT
HIT	Fields containing hit terms	D HIT
KWIC	Hit terms plus 50 words on either side (KeyWord-In-Context)	D 1-5 KWIC NOH
OCC	Number of occurrences of hit terms and fields in which they occur	D OCC

(1) By default, patent, application, priority, and family numbers are displayed in STN format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN format, enter SET PATENT STN.
(2) Custom display only.
(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers or an L-number containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	Y
Accession Number	AN	Y	Y
CAS Registry Number	RN	Y	N
Classification Code	CC	Y	Y
Controlled Term	CT	Y	Y
Controlled Term, Assigned	CTA	Y	Y
Document Number	DN	Y	Y
Document Type	DT (TC)	Y	Y
Designated State	DS	Y	Y
Entry Date	ED	Y	Y
Field Availability	FA	Y	Y
Family Country	FC	Y	Y
Family Date	FD	Y	Y
Family Number	FN (FI)	Y **(2)**	Y
International Patent Classification (IPC)	IPC	Y	Y
Inventor	IN (AU)	Y	Y
Language	LA	Y	Y
Linked Terms	LT	Y	Y
Linked Terms, Manual	LTM	Y	Y
Other Source	OS	Y	Y
Patent Application Country	AC	Y	Y
Patent Application Date	AD	Y	Y
Patent Application Group	APPS	Y **(2,3)**	Y
Patent Application Number	AP (AI)	Y **(2)**	Y
Patent Application Year	AY	Y	Y
Patent Assignee	PA	Y	Y
	CS	Y	Y
Patent Countries	PCS	Y **(4)**	Y
Patent Country	PC	Y	Y
Patent Date	PD	Y	Y
Patent Number	PN (PI)	Y **(2)**	Y
Patent Number Group	PATS	Y **(2,5)**	Y
Patent Year	PY	Y	Y
Priority Application Country	PRC	Y	Y
Priority Application Date	PRD	Y	Y
Priority Application Number	PRN (PRAI)	Y **(2)**	Y
Priority Application Year	PRY	Y	Y
Supplementary Term	ST	Y	Y
Title	TI	Y (default)	Y
Update Date	UP	Y	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT RN.

(2) Enter SET PATENT DERWENT at an arrow prompt (=>) to SELECT or ANALYZE patent, application, priority, and family numbers in Derwent format.

(3) Selects or analyzes AP and PRN and appends /APPS to the terms created by SELECT.

(4) Selects or analyzes country codes from PI, DS, and FC and appends /PC to the terms created by SELECT.

(5) Selects or analyzes PN and FN and appends /PATS to the terms created by SELECT.

Sample Records

DISPLAY ISTD

```
ACCESSION NUMBER:       2012:11655   ENCOMPPAT Full-text
DOCUMENT NUMBER:        P2012010425
TITLE:                  Device useful for processing ink waste water of circuit
                        board, comprises a reaction tank, a gas-liquid
                        separator equipped with a first reaction chamber, a
                        printing ink waste water inlet, a second reaction
                        chamber and a biogas lifting pipe
INVENTOR(S):            HE C
PATENT ASSIGNEE(S):     SHENZHEN SUN&LYNN CIRCUITS CO LTD
PATENT INFORMATION:     CN 202170274                  20120321
PATENT INFO. (ORIG.):   CN 202170274
APPLICATION INFO.:      CN 2011-20309309              20110822
PRIORITY INFO.:         CN 2011-20309309              20110822
FAMILY INFORMATION:     CN 202170274                  20120321
OTHER SOURCE:           DERWENT 2012D97697
DOCUMENT TYPE:          Patent
ENTRY DATE:             Entered STN: 17 May 2012
                        Last updated on STN: 21 Jun 2012
INT. PATENT CLASSIF.:   C02F-003/28
```

DISPLAY IALL

```
ACCESSION NUMBER:       2010:13942   ENCOMPPAT Full-text
DOCUMENT NUMBER:        P2010010870
TITLE:                  Process and apparatus for producing purified and
                        decontaminated air
INVENTOR(S):            LE PAGE J; MORLEC J
PATENT ASSIGNEE(S):     INST FRANCAIS DU PETROLE
PATENT INFORMATION:     IN 185441                     20010120
APPLICATION INFO.:      IN 1994-CH981                 19941011
PRIORITY INFO.:         IN 1994-CH981                 19941011
FAMILY INFORMATION:     IN 185441                     20010120
OTHER SOURCE:           DERWENT 2010C40986
DOCUMENT TYPE:          Patent
LANGUAGE:               English
ENTRY DATE:             Entered STN: 22 Apr 2010
                        Last updated on STN: 25 May 2012
ABSTRACT:               NOVELTY - A process for producing purified and
                        decontaminated air involves the steps of passing
                        contaminated air to radially traverse through an
                        adsorption bed in a reactor, the bed having adsorbents
                        selected from granular solid and hollow extrudates in
                        the shape of cones, tetrahedra, spheres, cubes and
                        cylinders, inserted as discrete units; collecting the
                        desorbed and purified air and optionally regenerating
                        the adsorbent for recycling. Image 0/2 (Dwg.No.0/2)
INT. PATENT CLASSIF.:   B01D053-00
CLASSIFICATION CODE:    AIR POLLUTION CONTROL; HEALTH AND ENVIRONMENT;
                        ENVIRONMENT, TRANSPORT AND STORAGE
CONTROLLED TERM:        ACTIVATION; ADSORBENT; *ADSORPTION PROCESS; AIR; *AIR
                        POLLUTANT; BED; CONE; CUBE; CYLINDER; DESORPTION;
                        EXTRUDING; FORMING; HOLLOW; IFP; PARTICLE; *PHYSICAL
                        SEPARATION; *POLLUTANT; *POLLUTION CONTROL; POLLUTION
                        CONTROL EQUIPMENT; PRIOR TREATMENT; REACTOR;
                        REGENERATION; SOLID; SORBENT; SORPTION; *SORPTION
                        PROCESS; SPHERE; *WASTE MATERIAL
LINKED TERM:            ADSORBENT; CONE; CUBE; CYLINDER; HOLLOW; PARTICLE;
                        SORBENT; SPHERE
                        EXTRUDING; FORMING; PRIOR TREATMENT
```

In North America
CAS
STN North America
P.O. Box 3012
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:
Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)
Fax: 614-447-3751
Email: help@cas.org
Internet: www.cas.org

In Europe
FIZ Karlsruhe
STN Europe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49-7247-808-555
Fax: +49-7247-808-259
Email: helpdesk@fiz-karlsruhe.de
Internet: www.stn-international.com

In Japan
JAICI (Japan Association for
International Chemical Information)
STN Japan
Nakai Building
6-25-4 Honkomagome, Bunkyo-ku
Tokyo 113-0021, Japan
Phone: +81-3-5978-3601 (Technical Service)
+81-3-5978-3621 (Customer Service)
Fax: +81-3-5978-3600
Email: support@jaici.or.jp (Technical Service)
customer@jaici.or.jp (Customer Service)
Internet: www.jaici.or.jp