DWPI / DWPX

Derwent World Patents Index / Derwent World Patents Index Extension
DWPIMV: Derwent World Patents Index Member View

■ **Contents:**

Derwent World Patents Index (DWPI) provides complete coverage of patents issuing from 41 leading patent-issuing authorities, including European and PCT documents. Information is also included from 2 literature sources; Research Disclosures (© Kenneth Mason Publications Limited www.researchdisclosure.com) and International Technology Disclosures (ceased publishing June 1994). For Thomson Scientific subscribers, retrieval by chemical structure and chemical manual codes is also available. Coverage starting dates vary by subject matter.

Pharmaceuticals from 1963
Agricultural and veterinary medicine from 1965
Plastics and polymers from 1966
All chemistry from 1970
Comprehensive coverage of all technologies from 1974.

DWPI file synonyms are WPIL, WPAT.

Images of drawings are available for electrical and engineering records from 1988, and chemical records from 1992. Coverage of Japanese Kokai patents increased from 60% to 100% as of 1996. A single record collects together all members of a patent family starting with the new invention (basic patent) and adding information about the same invention issued in other countries (equivalents).

API EnCompass (API) indexing is included for DWPI records in files **WPAM and WPAMNS**. A separate Fact Sheet is available.

Derwent World Patents Index Member View (DWPIMV) provides the original source data for each patent family member where available. Coverage varies by country and may include additional bibliographic information, original titles, abstracts, and main claim which may be displayed in the DWPI database using the PATVIEW display option.

Derwent World Patents Index Extension (DWPX) is a Thomson Scientific subscriber-only file that provides supplementary Extension Abstracts, from 1995 onwards, for chemical and biological inventions. For 1995-1999, this Extension Abstract (EX) corresponds to the Thomson Scientific Documentation Abstract (previously only available in print and as images on CD-ROM). From mid 1999 onwards, the Extension Abstract (EX) represents the online implementation of the Thomson Scientific Documentation Abstract when taken together with the Basic (Alert) Abstract (AB) and Technology Focus (TF). For further information regarding subscription requirements for access to DWPX, please contact Thomson Scientific (address given below).

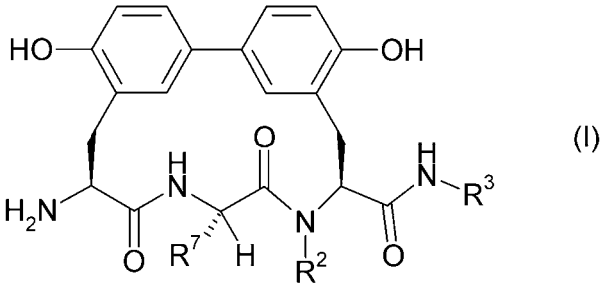
■ **Complemetary databases:**

DWPIFV: Derwent World Patent Index First View contains new published applications and granted patents prior to their inclusion in the DWPI file.
DWPIMC: Derwent World Patent Index Manual Codes contains descriptions of the Derwent Manual Codes.

■ **Number of records:**	More than 16 million records More than 9.4 million images
■ **Updating:**	Approximately every 3 to 4 days
■ **Language of records:**	All titles and abstracts are available in English.
■ **Cluster searching:**	The DWPI database is included in the predefined PATENTS database cluster (FILE CL PATENTS or FI PATENTS).
■ **SDI Profiles:**	By update (default) & Monthly
■ **Producer:**	Thomson Scientific 14 Great Queen Street London, WC2B 5DF United Kingdom Telephone +44 (0)20 7344 2800 Fax +44 (0)20 7344 2900 Website: www.scientific.thomson.com Technical support: www.scientific.thomson.com/support/techsupport

DWPI – Record with DWPI Abstract and Original English, French & German Abstracts, ECLA, IC & PCL Classifications (ALL IMG Display)

1/1 DWPI - (C) The Thomson Corp.- image
CPIM The Thomson Corp.



(I)

AN - 2005-306087 [31]
XA - C2005-094834
TI - New macrocyclic amide derivatives useful as antibiotics for treating bacterial infections
DC - B02
PA - (FARB) BAYER HEALTHCARE AG
IN - ADELT I; BEYER D; BRUNNER N; CANCHO-GRANDE Y; EHLERT K; ENDERMANN R; KROLL H; KROLL HP; LAMPE T; MICHELS M; RADDATZ S; RUDOLPH J; SCHIFFER G; SCHUMACHER A; VON NUSSBAUM F; WEIGAND S
NP - 4
NC - 106
PN - WO200533129 A1 20050414 DW2005-31 C07K-005/12 Ger 181p *
AP: 2004WO-EP10605 20040922
- DE10358822 A1 20050421 DW2005-31 C07K-005/12 Ger
AP: 2003DE-1058822 20031216
- US20050256037 A1 20051117 DW2005-76 A61K-038/12 Eng
AP: 2004US-0957489 20041001
- JP2008502583 W 20080131 DW2008-10 Jpn 168p
FD: Based on WO200533129 A
AP: 2004WO-EP10605 20040922, 2006JP-0530002 20040922
PR - 2003DE-1058822 20031216; 2003DE-1045724 20031001
IC - C07K-005/087; A61P-031/00; A61K-038/00; A61P-031/04; C12N-015/09; C07K-005/00
ICAA- C07K-005/087 [2006-01 A F I B - -]; A61K-038/00 [2006-01 A - N R - -]; A61P-031/00 [2006-01 A - I R - -]; C07K-005/087 [2006-01 A - I R - -]; A61K-038/00 [2006-01 A L I B - -]; A61P-031/04 [2006-01 A L I B - -]; C12N-015/09 [2006-01 A L I B - -]
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EC - C07K-005/08A2
PCL - 530317000 540460000 514009000
DS - WO200533129
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Regional States: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
AB - WO2005033129 A
NOVELTY: Macrocyclic amide derivatives (I) are new.
- DESCRIPTION: Macrocyclic amide derivatives of formula (I) and their salts and solvates, are new. R7 = CH2NH2, CH2CH2NH2, CH2CHR1CH2NH2 or (CH2)4NH2; R1 = H or OH; R2 = H, Me or Et; R3 = CH2(CHR4)k(CH2)lNR5R6, (CH2)mQ1, (CH2)oQ2, (CH2)qQ3, (CH2)sQ4, Q5-NH2, CH2C(Me)2(CH2)vNH2, (CH2)yCH(NH2)R12 or CHR14(CH2)wNHR15; Q1 = 5-7 membered 1-aza-2-cycloalkyl; Q2 = 5-7 membered 1-aza-3-cycloalkyl; Q3 = 6-7 membered 1-aza-4-cycloalkyl; Q4 = 6-7 membered 1,4-diaza-6-cycloalkyl; Q5 = 4-7C cycloalkylene; R4 = H or OH; R5, R15 = H, Me or (CH2)dCHR8(CH2)eNHR9; R8 = H or (CH2)fNHR10; R9, R10 = H or Me; e, f = 1-3; d = 0-3; R6 = H or aminoethyl; NR5R6 = piperazine; R12, R14 = (CH2)zOH or (CH2)zNHR13; z = 1-4; R13 = H or Me; k = 0 or 1; l, w, y =

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      1-4; m, s, v = 1 or 2, and o, q = 0-2. (CH2)w or (CH2)y can also be
      CH2CH(OH)CH2. INDEPENDENT CLAIMS are also included for the for
      preparation of (I).
    - ACTIVITY: Antibiotic. In a test, (8S,11S,14S)-14-amino-N-(2-aminoethy
      l)-11-((2R)-3-amino-2-hydroxypropyl)-5,17-dihydroxy-9-methyl-10,13-di
      oxo-9,12-diazatricyclo(14.3.1.12.6)heneicosa-1(20),2(21),3,5,16,18-he
      xaene-8-carboxamide (Ia) trihydrochloride had a MIC value of 3.1 muM
      against Staphylococcus aureus strains 133 and T17.
    - MECHANISM OF ACTION: None given.
    - USE: Used for treating bacterial diseases (claimed), especially for
      combating bacterial infections in humans and animals.
TF  - ORGANIC CHEMISTRY:  Preparation (claimed): Preparation of (I)
      comprises e.g. reacting a carboxylic acid compound of formula (II)
      with R3NH2 in the presence of a dehydrating agent and deprotecting the
      product by acid hydrolysis. Z = benzyloxycarbonyl.
EAB - (WO2005033129 A1)
      The invention relates to antibacterial amide macrocycles and to
      methods for the production thereof. The invention also relates to the
      use thereof in the treatment and/or prophylaxis of diseases and to
      their use for producing drugs for use in the treatment and/or
      prophylaxis of diseases, especially bacterial infections.
    - (US20050256037 A1)
      The invention relates to antibacterial amide macrocycles and process
      for their preparation, their use for the treatment and/or prophylaxis
      of diseases, and to their use for producing medicaments for the
      treatment and/or prophylaxis of diseases, especially of bacterial
      infections.
FAB - (WO2005033129 A1)
      L'invention concerne des macrocycles d'amide antibactériens, des
      procédés de production de ces derniers, leur utilisation pour le
      traitement et/ou la prophylaxie de maladies et pour la production de
      médicaments servant au traitement et/ou à la prophylaxie de maladies,
      notamment d'infections bactériennes.
GAB - (DE10358822 A1)
      Die Erfindung betrifft antibakterielle Amid-Makrozyklen und Verfahren
      zu ihrer Herstellung, ihre Verwendung zur Behandlung und/oder
      Prophylaxe von Krankheiten sowie ihre Verwendung zur Herstellung von
      Arzneimitteln zur Behandlung und/oder Prophylaxe von Krankheiten,
      insbesondere von bakteriellen Infektionen.
    - (WO2005033129 A1)
      Die Erfindung betrifft antibakterielle Amid-Makrozyklen und Verfahren
      zu ihrer Herstellung, ihre Verwendung zur Behandlung und/oder
      Prophylaxe von Krankheiten sowie ihre Verwendung zur Herstellung von
      Arzneimitteln zur Behandlung und/oder Prophylaxe von Krankheiten,
      insbesondere von bakteriellen Infektionen.
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      M313 M314 M315 M316 M321 M322 M323 M331 M332 M333 M334 M340 M342 M343
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UP  - 2005-31
UB  - 2005-76
UE  - 2005-31; 2005-76; 2008-10
UE4 - 2008-02
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DWPI: The same record with the details of the members - BASC PATVIEW (ALL) Display

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1/1 DWPI - (C) The Thomson Corp.- image
AN  - 2005-306087 [31]
XA  - C2005-094834
TI  - New macrocyclic amide derivatives useful as antibiotics for treating
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PA  - (FARB) BAYER HEALTHCARE AG
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      KROLL H; KROLL HP; LAMPE T; MICHELS M; RADDATZ S; RUDOLPH J; SCHIFFER
      G; SCHUMACHER A; VON NUSSBAUM F; WEIGAND S
PR  - 2003DE-1058822 20031216; 2003DE-1045724 20031001
NP  - 4
NC  - 106
PNB - WO200533129     A1 20050414 DW2005-31 C07K-005/12 Ger 181p *
IC  - C07K-005/087; A61P-031/00; A61K-038/00; A61P-031/04; C12N-015/09;
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ICAA- C07K-005/087 [2006-01 A F I B - -]; A61K-038/00 [2006-01 A - N R - -];
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      C12N-015/09 [2006-01 A L I B - -]
ICCA- A61K-038/00 [2006 C - N R - -]; A61P-031/00 [2006 C - I R - -];
      C07K-005/00 [2006 C - I R - -]; A61K-038/00 [2006 C - I B - -];
      A61P-031/00 [2006 C - I B - -]; C07K-005/00 [2006 C - I B - -];
      C12N-015/09 [2006 C - I B - -]
EC  - C07K-005/08A2
PCL - 530317000 540460000 514009000
AB  - WO2005033129 A
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    - DESCRIPTION: Macrocyclic amide derivatives of formula (I) and their
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      (CH2)mQ1, (CH2)oQ2, (CH2)qQ3, (CH2)sQ4, Q5-NH2, CH2C(Me)2(CH2)vNH2,
      (CH2)yCH(NH2)R12 or CHR14(CH2)wNHR15; Q1 = 5-7 membered
      1-aza-2-cycloalkyl; Q2 = 5-7 membered 1-aza-3-cycloalkyl; Q3 = 6-7
      membered 1-aza-4-cycloalkyl; Q4 = 6-7 membered 1,4-diaza-6-cycloalkyl;
      Q5 = 4-7C cycloalkylene; R4 = H or OH; R5, R15 = H, Me or
      (CH2)dCHR8(CH2)eNHR9; R8 = H or (CH2)fNHR10; R9, R10 = H or Me; e, f =
      1-3; d = 0-3; R6 = H or aminoethyl; NR5R6 = piperazine; R12, R14 =
      (CH2)zOH or (CH2)zNHR13; z = 1-4; R13 = H or Me; k = 0 or 1; l, w, y =
      1-4; m, s, v = 1 or 2, and o, q = 0-2. (CH2)w or (CH2)y can also be
      CH2CH(OH)CH2. INDEPENDENT CLAIMS are also included for the for
      preparation of (I).
    - ACTIVITY: Antibiotic. In a test, (8S,11S,14S)-14-amino-N-(2-aminoethy
      l)-11-((2R)-3-amino-2-hydroxypropyl)-5,17-dihydroxy-9-methyl-10,13-di
      oxo-9,12-diazatricyclo(14.3.1.12.6)heneicosa-1(20),2(21),3,5,16,18-he
      xaene-8-carboxamide (Ia) trihydrochloride had a MIC value of 3.1 muM
      against Staphylococcus aureus strains 133 and T17.
    - MECHANISM OF ACTION: None given.
    - USE: Used for treating bacterial diseases (claimed), especially for
      combating bacterial infections in humans and animals.


1/4 DWPIMV - (C) The Thomson Corp.
AN  - 2005-306087 [10]
DT  - Equivalent
PN  - JP2008502583    W  20080131 DW2008-10 Jpn 168p
      FD: Based on WO200533129 A
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      AP: 2004WO-EP10605 20040922, 2006JP-0530002 20040922
PR  - 2003DE-1045724 20031001; 2003DE-1058822 20031216
LA  - Japanese; Jpn
IC  - C07K-005/087; A61K-038/00; A61P-031/04; C12N-015/09; A61P-031/00;
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ICH - A61K-038/00; A61P-031/00; A61P-031/04; C07K-005/00; C07K-005/087;
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UP  - 2008-10
UP4 - 2008-02

2/4 DWPIMV - (C) The Thomson Corp.
AN  - 2005-306087 [76]
DT  - Equivalent
PN  - US20050256037   A1 20051117 DW2005-76 A61K-038/12 Eng
      AP: 2004US-0957489 20041001
PR  - 2003DE-1045724 20031001; 2003DE-1058822 20031216
PAA - Bayer HealthCare AG; Leverkusen, Germany
    - Lampe, Thomas; Dusseldorf, Germany
    - Adelt, Isabelle; Dusseldorf, Germany
    - Beyer, Dieter; Wuppertal, Germany
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    - Endermann, Rainer; Wuppertal, Germany
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    - Kroll, Hein-Peter; Wuppertal, Germany
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    - Raddatz, Siegfried; Koln, Germany
    - Rudolph, Joachim; Guilford, CT, United States
    - Schiffer, Guido; Wuppertal, Germany
    - Schumacher, Andreas; Efringen-Kirchen, Germany
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PA  - Bayer HealthCare AG
    - Lampe, Thomas
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    - Von Nussbaum, Franz; Dusseldorf, Dusseldorf [DE]
    - Raddatz, Siegfried; Koln, Koln [DE]
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    - Schiffer, Guido; Wuppertal, Wuppertal [DE]
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IN  - LAMPE T; ADELT I; BEYER D; BRUNNER N; ENDERMANN R; EHLERT K; KROLL HP;
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      CANCHO-GRANDE Y; MICHELS M; WEIGAND S
REP - JEFFREY M. GREENMAN
      BAYER PHARMACEUTICALS CORPORATION, 400 MORGAN LANE, WEST HAVEN, CT,
      United States
LA  - English; Eng
IC  - A61P-031/00; C07K-005/087; A61K-038/00; C07K-005/00
ICH - A61K-038/12; C07K-005/12
EC  - C07K-005/08A2
PCL - 530317000 540460000 514009000
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EAB - The invention relates to antibacterial amide macrocycles and process
      for their preparation, their use for the treatment and/or prophylaxis
      of diseases, and to their use for producing medicaments for the
      treatment and/or prophylaxis of diseases, especially of bacterial
      infections.
MCLM- 1. Compound of the formula R7 is a group of the formula [CF
      C00286]whereR1 is hydrogen or hydroxy,is the point of attachment to
      the carbon atom,R2 is hydrogen, methyl or ethyl,R3 is a group of the
      formula[CF C00287] where R1 is hydrogen or hydroxy, is the point of
      attachment to the carbon atom, R2 is hydrogen, methyl or ethyl, R3 is
      a group of the formula [CF C00287] where is the point of attachment to
      the nitrogen atom, R4 is hydrogen or hydroxy, R5 and R15 are
      independently of one another hydrogen, methyl or a group of the
      formula [CF C00288]in whichis the point of attachment to the nitrogen
      atom,R8 is hydrogen or * -- (CH2)f -- NHR10, in whichR10 is hydrogen
      or methyl,andf is a number 1, 2 or 3,R9 is hydrogen or methyl,d is a
      number 0, 1, 2 or 3,ande is a number 1, 2 or 3, in which is the point
      of attachment to the nitrogen atom, R8 is hydrogen or * -- (CH2)f --
      NHR10, in whichR10 is hydrogen or methyl,andf is a number 1, 2 or 3,
      in which R10 is hydrogen or methyl, and f is a number 1, 2 or 3, R9 is
      hydrogen or methyl, d is a number 0, 1, 2 or 3, and e is a number 1, 2
      or 3, R6 is hydrogen or aminoethyl, or R5 and R6 form together with
      the nitrogen atom to which they are bonded a piperazine ring, R12 and
      R14 are independently of one another a group of the formula * --
      (CH2)Z1 -- OH or * -- (CH2)Z2 -- NHR13, in whichis the point of
      attachment to the carbon atom,Z1 and Z2 are independently of one
      another a number 1, 2, 3 or 4,R13 is hydrogen or methyl, in which is
      the point of attachment to the carbon atom, Z1 and Z2 are
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      and y are independently of one another a number 1, 2, 3 or 4, m, r, s
      and v are independently of one another a number 1 or 2, n, o, p and q
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      1, 2 or 3, [CF C00289] w or y may independently of one another when w
      or y is 3 carry a hydroxy group on the middle carbon atom of the
      three-membered chain, or one of the salts thereof, the solvates
      thereof or the solvates of the salts thereof.
UP  - 2005-76
UP4 - 2006-04

3/4 DWPIMV - (C) The Thomson Corp.- image
AN  - 2005-306087 [31]
XA  - C2005-094834
DT  - Basic
PN  - WO200533129     A1 20050414 DW2005-31 C07K-005/12 Ger 181p *
      AP: 2004WO-EP10605 20040922
DS  - National States:  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN
      CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN
      IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA
      NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
      UA UG US UZ VC VN YU ZA ZM ZW
      Regional States:  AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM
      GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR
      TZ UG ZM ZW
PR  - 2003DE-1045724 20031001; 2003DE-1058822 20031216
PAA - BAYER HEALTHCARE AG; 51368 Leverkusen, Germany
    - LAMPE, Thomas; Karolingerstr. 93, 40223 Duesseldorf, Germany
    - ADELT, Isabelle; Am Botanischen Garten 5, 40225 Duesseldorf, Germany
    - BEYER, Dieter; Ottostr. 27, 42289 Wuppertal, Germany
    - BRUNNER, Nina; Steinhausenstr. 19, 45147 Essen, Germany
    - ENDERMANN, Rainer; In den Birken 152A, 42113 Wuppertal, Germany
    - EHLERT, Kerstin; Auf den Poethen 51, 42553 Velbert, Germany
    - KROLL, Hein-Peter; Pahlkestr. 96, 42115 Wuppertal, Germany
    - VON NUSSBAUM, Franz; Friedenstr. 75, 40219 Duesseldorf, Germany
    - RADDATZ, Siegfried; Jakob-Boehme-Str. 21, 51065 Koeln, Germany
    - RUDOLPH, Joachim; 308 North River Street, Guilford, Connecticut 06437,
      United States
    - SCHIFFER, Guido; Neuer Triebel 91, 42111 Wuppertal, Germany
    - SCHUMACHER, Andreas; Am Neubrunnen 15, 79588 Efringen-Kirchen, Germany
    - CANCHO-GRANDE, Yolanda; Linden Str. 28, 40723 Hilden, Germany
    - MICHELS, Martin; Nibelungenstr. 65, 42653 Solingen, Germany
    - WEIGAND, Stefan; Rueckertweg 35, 42115 Wuppertal, Germany
PA  - (FARB) BAYER HEALTHCARE AG
    - LAMPE, Thomas
    - ADELT, Isabelle
    - BEYER, Dieter
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    - BRUNNER, Nina
    - ENDERMANN, Rainer
    - EHLERT, Kerstin
    - KROLL, Hein-Peter
    - VON NUSSBAUM, Franz
    - RADDATZ, Siegfried
    - RUDOLPH, Joachim
    - SCHIFFER, Guido
    - SCHUMACHER, Andreas
    - CANCHO-GRANDE, Yolanda
    - MICHELS, Martin
    - WEIGAND, Stefan
IN0 - LAMPE, Thomas; Karolingerstr. 93, 40223 Duesseldorf [DE]
    - ADELT, Isabelle; Am Botanischen Garten 5, 40225 Duesseldorf [DE]
    - BEYER, Dieter; Ottostr. 27, 42289 Wuppertal [DE]
    - BRUNNER, Nina; Steinhausenstr. 19, 45147 Essen [DE]
    - ENDERMANN, Rainer; In den Birken 152A, 42113 Wuppertal [DE]
    - EHLERT, Kerstin; Auf den Poethen 51, 42553 Velbert [DE]
    - KROLL, Hein-Peter; Pahlkestr. 96, 42115 Wuppertal [DE]
    - VON NUSSBAUM, Franz; Friedenstr. 75, 40219 Duesseldorf [DE]
    - RADDATZ, Siegfried; Jakob-Boehme-Str. 21, 51065 Koeln [DE]
    - RUDOLPH, Joachim; 308 North River Street, Guilford, Connecticut 06437
      [US]
    - SCHIFFER, Guido; Neuer Triebel 91, 42111 Wuppertal [DE]
    - SCHUMACHER, Andreas; Am Neubrunnen 15, 79588 Efringen-Kirchen [DE]
    - CANCHO-GRANDE, Yolanda; Linden Str. 28, 40723 Hilden [DE]
    - MICHELS, Martin; Nibelungenstr. 65, 42653 Solingen [DE]
    - WEIGAND, Stefan; Rueckertweg 35, 42115 Wuppertal [DE]
IN  - LAMPE T; ADELT I; BEYER D; BRUNNER N; ENDERMANN R; EHLERT K; KROLL H;
      VON NUSSBAUM F; RADDATZ S; RUDOLPH J; SCHIFFER G; SCHUMACHER A;
      CANCHO-GRANDE Y; MICHELS M; WEIGAND S
REP - BAYER HEALTHCARE AG
      Law and Patents, Patents and Licensing, 51368 Leverkusen,  Germany
LA  - German; Ger
IC  - A61P-031/00; C07K-005/087; A61K-038/00; C07K-005/00
ICH - C07K-005/12; A61K-038/06; A61P-031/00; C07K-005/08
EC  - C07K-005/08A2
AB  - WO2005033129 A
      NOVELTY: Macrocyclic amide derivatives (I) are new.
    - DESCRIPTION: Macrocyclic amide derivatives of formula (I) and their
      salts and solvates, are new. R7 = CH2NH2, CH2CH2NH2, CH2CHR1CH2NH2 or
      (CH2)4NH2; R1 = H or OH; R2 = H, Me or Et; R3 = CH2(CHR4)k(CH2)lNR5R6,
      (CH2)mQ1, (CH2)oQ2, (CH2)qQ3, (CH2)sQ4, Q5-NH2, CH2C(Me)2(CH2)vNH2,
      (CH2)yCH(NH2)R12 or CHR14(CH2)wNHR15; Q1 = 5-7 membered
      1-aza-2-cycloalkyl; Q2 = 5-7 membered 1-aza-3-cycloalkyl; Q3 = 6-7
      membered 1-aza-4-cycloalkyl; Q4 = 6-7 membered 1,4-diaza-6-cycloalkyl;
      Q5 = 4-7C cycloalkylene; R4 = H or OH; R5, R15 = H, Me or
      (CH2)dCHR8(CH2)eNHR9; R8 = H or (CH2)fNHR10; R9, R10 = H or Me; e, f =
      1-3; d = 0-3; R6 = H or aminoethyl; NR5R6 = piperazine; R12, R14 =
      (CH2)zOH or (CH2)zNHR13; z = 1-4; R13 = H or Me; k = 0 or 1; l, w, y =
      1-4; m, s, v = 1 or 2, and o, q = 0-2. (CH2)w or (CH2)y can also be
      CH2CH(OH)CH2. INDEPENDENT CLAIMS are also included for the for
      preparation of (I).
    - ACTIVITY: Antibiotic. In a test, (8S,11S,14S)-14-amino-N-(2-aminoethy
      l)-11-((2R)-3-amino-2-hydroxypropyl)-5,17-dihydroxy-9-methyl-10,13-di
      oxo-9,12-diazatricyclo(14.3.1.12.6)heneicosa-1(20),2(21),3,5,16,18-he
      xaene-8-carboxamide (Ia) trihydrochloride had a MIC value of 3.1 muM
      against Staphylococcus aureus strains 133 and T17.
    - MECHANISM OF ACTION: None given.
    - USE: Used for treating bacterial diseases (claimed), especially for
      combating bacterial infections in humans and animals.
TF  - ORGANIC CHEMISTRY:  Preparation (claimed): Preparation of (I)
      comprises e.g. reacting a carboxylic acid compound of formula (II)
      with R3NH2 in the presence of a dehydrating agent and deprotecting the
      product by acid hydrolysis. Z = benzyloxycarbonyl.
EAB - The invention relates to antibacterial amide macrocycles and to
      methods for the production thereof. The invention also relates to the
      use thereof in the treatment and/or prophylaxis of diseases and to
      their use for producing drugs for use in the treatment and/or
      prophylaxis of diseases, especially bacterial infections.
FAB - L'invention concerne des macrocycles d'amide antibactériens, des
      procédés de production de ces derniers, leur utilisation pour le
      traitement et/ou la prophylaxie de maladies et pour la production de
      médicaments servant au traitement et/ou à la prophylaxie de maladies,
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      notamment d'infections bactériennes.
GAB - Die Erfindung betrifft antibakterielle Amid-Makrozyklen und Verfahren
      zu ihrer Herstellung, ihre Verwendung zur Behandlung und/oder
      Prophylaxe von Krankheiten sowie ihre Verwendung zur Herstellung von
      Arzneimitteln zur Behandlung und/oder Prophylaxe von Krankheiten,
      insbesondere von bakteriellen Infektionen.
UP  - 2005-31
UP4 - 2006-04

4/4 DWPIMV - (C) The Thomson Corp.
AN  - 2005-306087 [31]
DT  - Equivalent
PN  - DE10358822      A1 20050421 DW2005-31 C07K-005/12 Ger
      AP: 2003DE-1058822 20031216
PR  - 2003DE-1045724 20031001
PAA - BAYER HEALTHCARE AG; 51373 Leverkusen, Germany
PA  - (FARB) BAYER HEALTHCARE AG
IN  - LAMPE T; ADELT I; BEYER D; BRUNNER N; ENDERMANN R; EHLERT K; KROLL H;
      VON NUSSBAUM F; RADDATZ S; RUDOLPH J; SCHIFFER G; SCHUMACHER A;
      CANCHO-GRANDE Y; MICHELS M; WEIGAND S; Nussbaum, Franz von, Dr., 61462
      Koenigstein, DE
LA  - German; Ger
IC  - C07K-005/087; A61K-038/00; C07K-005/00
ICH - C07K-005/12; A61K-038/06; C07K-001/107
EC  - C07K-005/08A2
GAB - Die Erfindung betrifft antibakterielle Amid-Makrozyklen und Verfahren
      zu ihrer Herstellung, ihre Verwendung zur Behandlung und/oder
      Prophylaxe von Krankheiten sowie ihre Verwendung zur Herstellung von
      Arzneimitteln zur Behandlung und/oder Prophylaxe von Krankheiten,
      insbesondere von bakteriellen Infektionen.
GCLM- Verbindung der Formel
UP  - 2005-31
UP4 - 2006-04
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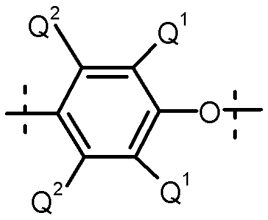
1/1 DWPX - (C) The Thomson Corp.- image
CPIM The Thomson Corp.



(Ia)

AN - 2008-B78066 [13]
XA - C2008-049923
XP - N2008-141523
TI - Resin composition, useful in article for thermoplastic process e.g. injection molding, and in all or portions of e.g. electrical components and televisions, comprises poly(arylene ether) and pH sensitive compound
DC - A25 A84 A85 A89 A93 A95 S03
PA - (GENE) GENERAL ELECTRIC CO
- (KLEI/) KLEI S
- (YATE/) YATES J B
IN - KLEI S; YATES JB
NP - 3
NC - 118
PN - WO2007115009 A1 20071011 DW2008-13 Eng 45p *
AP: 2007WO-US64628 20070322
- US20070238190 A1 20071011 DW2008-13 Eng
AP: 2006US-0394257 20060330
- US20070238831 A1 20071011 DW2008-13 Eng
AP: 2006US-0393353 20060330
PR - 2006US-0393353 20060330; 2006US-0394257 20060330
IC - C08F-008/00; C08K-005/00; G01N-031/22; C08L-051/04; C08L-071/12; C08L-051/00; C08L-071/00
ICAA- C08F-008/00 [2006-01 A F I B - -]; C08K-005/00 [2006-01 A F I B - -]; G01N-031/22 [2006-01 A F I B - -]; C08L-051/04 [2006-01 A L I B - -]; C08L-071/12 [2006-01 A L I B - -]; G01N-031/22 [2006-01 A L I B - -]
ICCA- C08F-008/00 [2006 C - I B - -]; C08K-005/00 [2006 C - I B - -]; C08L-051/00 [2006 C - I B - -]; C08L-071/00 [2006 C - I B - -]; G01N-031/22 [2006 C - I B - -]
PCL - 436163000 525055000
DS - WO2007115009
National States: AE AG AL AM AT AU AZ BA BB BG BH BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM GT HN HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LY MA MD MG MK MN MW MX MY MZ NA NG NI NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SK SL SM SV SY TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW
Regional States: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU LV MC MT MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
AB - WO2007115009 A
NOVELTY: Resin composition (I) comprises a poly(arylene ether) and a pH sensitive compound capable of providing a color change when the pH sensitive compound is partially extracted from (I) and is added to a basic or acidic solution.
- DESCRIPTION: INDEPENDENT CLAIMS are included for: (1) an article comprising (I); (2) the poly(arylene ether) concentrate, comprising a poly(arylene ether) and a pH sensitive compound (0.5-40 wt.%) based on the total weight of the concentrate; (3) a method of making (I), comprising melt mixing the poly(arylene ether) and the pH sensitive compound; (4) a method of authenticating (I) or an article, comprising: partially extracting a pH sensitive compound from (I) or article with a solvent, where (I) or the article comprising poly(arylene ether) and the pH sensitive compound; mixing the solvent having the extracted pH sensitive compound with an acidic solution or a basic solution to form an observation mixture; and observing the

observation mixture to determine if a predetermined color change occurred in the observation mixture; and (5) a method of forming an authenticatable poly(arylene ether) composition comprising melt blending a poly(arylene ether) and a concentrate comprising a polymer resin and a pH sensitive compound.

- USE: (I) is useful in article (claimed), which is useful in thermoplastic process (e.g. injection molding, blow molding, extrusion, sheet extrusion, film extrusion, profile extrusion, pultrusion, compression molding, thermoforming, pressure forming, hydroforming, vacuum forming and foam molding) and in all or portions of the electrical components, fluid engineering components, automotive exterior parts, automotive underhood parts, consumer electronics, televisions, flexible industrial parts, wire coatings, materials for electronics fabrication, autoclavable articles for healthcare, and low-smoke materials for building and construction.
- ADVANTAGE: (I) provides a color change, when the pH sensitive compound is partially extracted from (I) and is added to a basic or acidic solution. (I) provides authenticatable poly(arylene ether) composition and is stable at 280degreesC (all claimed). (I) has heat resistant property.

TF - POLYMERS: Preferred Components: The poly(arylene ether) comprises a many structural units of benzene compound of formula (Ia). Q1 = halo, primary or secondary 1-12C alkyl, 1-12C aminoalkyl, 1-12C hydroxyalkyl, aryl, 1-12C haloalkyl, 1-12C hydrocarbyloxy or 1-12C halohydrocarbyloxy (where at least two carbon atoms separate the halogen and oxygen atoms); and Q2 = H, halo, primary or secondary 1-12C alkyl, 1-12C aminoalkyl, 1-12C hydroxyalkyl, aryl, 1-12C haloalkyl, 1-12C hydrocarbyloxy or 1-12C halohydrocarbyloxy (where two carbon atoms separate the halogen and oxygen atoms). The poly(arylene ether) comprises 2,6-dimethyl-1,4-phenylene ether units. (I) further comprises a poly(alkenyl aromatic), a polyamide or a polyolefin. The pH sensitive compound is thymolphalein (preferred), phenolphthalein (preferred), methyl violet, thymol blue, methyl yellow, bromophenol blue, congo red, methyl orange, litmus, bromocresol purple, phenol red, thymol blue, alizarin yellow R and/or Indigo carmine. (I) further comprises a second pH sensitive compound. The pH sensitive compound is colorless at a neutral pH. The pH sensitive compound is capable of changing to multiple colors as a function of pH. The solvent is acetone (preferred), tetrahydrofuran, methyl ethyl ketone, methyl isobutyl ketone, 1,2-dimethoxyethane, acetonitrile and/or 1,4-dioxane. The polymer resin is polystyrenes, hydrocarbon waxes, hydrocarbon resins, fatty acids, polyolefin, polyesters, fluoropolymers, epoxy resins, phenolic resins, rosins and rosin derivatives, terpene resins, acrylate resins and/or polyamides. Preferred Composition: (I) comprises a poly(arylene ether) (10-90 wt.%), poly(alkenyl aromatic) (10-70 wt.%) of homopolymers of an alkenyl aromatic monomer, random copolymers of an alkenyl aromatic monomer with different monomers, unhydrogenated and hydrogenated block copolymers of an alkenyl aromatic and a conjugated diene and/or rubber-modified poly(alkenyl aromatic)s and the pH sensitive compound 0.01-40 (preferably 0.1-40) wt.%. The poly(arylene ether) concentrate comprises organic phosphate flame retardant (5-5 wt.%). Preferred Method: The method of making (I) further comprises melt mixing a poly(alkenyl aromatic) with the poly(arylene ether) and the pH sensitive compound. The poly(arylene ether) and the poly(alkenyl aromatic) are melt mixed to form a first melt blend, and the pH sensitive is added to the first melt blend to form a second melt blend. The solvent having the extracted pH sensitive compound is mixed with the acidic and basic solution, and where the acidic solution comprises acetic acid, citric acid, nitric acid, hydrochloric acid, sulfuric acid, tartaric acid, phosphoric acid and alum and where the basic solution comprises sodium bicarbonate, borax, calcium carbonate, magnesia, ammonia, potassium carbonate, sodium carbonate, potassium hydroxide, sodium hydroxide and/or lime. The predetermined color change comprises an absorbance change of 0.05 absorbance units per centimeter path length at the maximum absorbance of an acidic or basic form of the pH sensitive compound. The polymer resin has a glass transition or a melting temperature less than or equal to 170degreesC. The pH sensitive compound and a solvent comprises 1-6C alkanol and removing from the surface of the article.

EX - EXAMPLE: A base powder blend was prepared comprises poly(2,6-dimethyl-1,4-phenylene ether) (48.6 parts by weight (pbw)), rubber-modified polystyrene (48.6 pbw), polyethylene (1,45 pbw), zinc oxide (145 pbw), zinc sulfide (0.145 pbw) and tridecylphosphite (0.972 pbw), all the components were dry blended and shaken for 3 minutes in a paint shaker prior to extrusion. The resulting dry blend was added to the feed throat of the extruder, extruded at 290degreesC and cut into pellets. The powder blend comprised an additional thymolphthalein

(0.1 part by weight), which was added at the dry blending stage. The molded plaques were light tan and opaque in color, indicative of natural resin. A plastic color chip was placed in a glass jar containing acetone (50 ml). The jar was capped, and the mixture was allowed to stand for 30 minutes. The jar was agitated initially for 5 seconds, again for 5 seconds at 15 minutes, and again for five seconds at 30 minutes. An aliquot (10 ml) of the acetone was then removed and added to a 20 ml glass vial that was atop a sheet of white paper and that contained 5 ml of a sodium hydroxide/water solution of pH 10. A color change from colorless to light blue was observed. The plaque was removed from the extraction/developing chamber and allowed to air dry.

EAB - (WO2007115009 A1)
A resin composition includes a poly(arylene ether) and a pH sensitive compound capable of providing a color change when the pH sensitive compound is at least partially extracted from the resin composition and is added to a basic or acidic solution.

- (US20070238190 A1)
A poly(arylene ether)-containing resin composition or article may be authenticated by a method that includes at least partially extracting a pH sensitive compound from the resin composition or the article with a solvent, wherein the resin composition or the article includes a poly(arylene ether) and the pH sensitive compound; mixing the solvent having the extracted pH sensitive compound with an acidic solution or a basic solution to form an observation mixture; and observing the observation mixture to determine if a predetermined color change occurred in the observation mixture.

- (US20070238831 A1)
A resin composition includes a poly(arylene ether) and a pH sensitive compound capable of providing a color change when the pH sensitive compound is at least partially extracted from the resin composition and is added to a basic or acidic solution.

FAB - (WO2007115009 A1)
La présente invention concerne une composition de résine comprenant un poly(arylène éther) et un composé sensible au pH pouvant changer de couleur lorsque le composé sensible au pH est au moins partiellement extrait de la composition de résine et ajouté à une solution basique ou acide.

MC - CPI: A05-H07A A07-A05 A08-E03

- EPI: S03-E09E

UP - 2008-13

UP4 - 2008-02

UE - 2008-13

UE4 - 2008-02

Searching

Basic Index includes TI, TT, AW, AB, TF, EAB, GAB, FAB, CN

Search by	Index	Search Hints	Examples
Basic Index Terms	/BI (default)	The Basic Index incorporates: TI DWPI Title AB DWPI Abstract AW Additional Words TT DWPI Title Terms EAB English Original Abstract FAB French Original Abstract GAB German Original Abstract NOV Novelty Abstract (inc. in AB) TF Technology Focus CN Compound Numbers All Basic Index terms may be searched unqualified to an index. For all these indexes, search by: - single terms using Boolean or proximity operators. - phrases using implied adjacency Use truncation. Left-hand truncation is available.	BIOSYNTHETIC AND OSTEOGENIC OSTEOGENIC PROTEIN? +SYNTHETIC+
Compound Numbers	/CN	Format: YYWW-NNNNN or RNNNNN. Also searchable with role letter. Linkable with B, C, E fragmentation codes.	9906-FJE03-T
DWPI Title	/TI	For all these indexes, search by: - single terms using Boolean or proximity operators. - phrases using implied adjacency. Use truncation. Left-hand truncation is available.	/TI OSTEOGENIC PROTEIN?
DWPI Title Terms	/TT	Words in their preferred form generated from the DWPI Title	/TT COBALT
Additional Words	/AW	Words added by Thomson Scientific to enhance the title.	/AW FLUOROCARBON
DWPI Abstract	/AB	Terms in the DWPI value-added Basic Abstract	/AB DNA AND PROTEIN
Original Abstracts English (WO, EP, US) French (WO, EP) German (WO, EP, DE)	 /EAB /FAB /GAB	Original Language abstracts	/FAB ECHANG+ 3D THERMIQUE?
Technology Focus	/TF or /TECH or /TFAB	Provides supplementary information to the DWPI Basic Abstract and includes further information about the preferred features of the invention. (from DW 1999-08)	/TF LIGHT AND EMIT+ /TF PROTEIN 5D VECTOR
Novelty	/NOV	This information is also integrated in the abstract field (AB). (From DW 1999-08)	/NOV LIGHT AND EMIT+
Super Index - Abstracts	/ABS	/ABS is a super index for AB (including NOV, EAB, FAB, GAB, and TF fields).	/ABS PARALLEL AND FIBER?
Key Words	/KW	The Keyword Indexing field includes Chemistry Resource (DCR) numbers and associated role qualifiers	/KW 105730-NEW

Publication Data

Search by	Index	Search Hints	Examples
Publication number	/PN or /PC, KD, PK, DW, MIC	Search the number in the format: CCNNNNNNN CC= ISO country code. NNNNNNN= publication number. The number of digits varies according to the various patent offices. Search by publication date: YYYYMMDD YYYYMM YYYY	/PN WO8909788 /PN EP-884655 /PN EP884655 /PN DE19743457 /PN WO9916958 /PN WO200016958 19950625/PN 199506/PN 1995/PN
Publication date	PD (or PY)	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >=.	PD=1989-10-19 PD=1997-04-01:1997-04-15 PD>=1997
DWPI Update	/DW (or /PN)	Searchable with or without the DW.	/DW DW1999-10 /DW 1999-10
Publication Kind (Kind of Document)	/KD (or /PN)	Searchable CCKK where CC is the country and KK is the kind.	/KD JPB2
Main IPC	/MIC (or PN)	Use to search the Main IPC code and link it to any element in the PN field. Search in formats ANNA-NNN/NNnn/MIC ANNA-NNN/MIC ANNA/MIC From update 2006-01, linking ceased as the Main IPC concept was discontinued as part of the IPC reform.	A63B-037/06/MIC A63B-037/06/PN A63B/MIC A63B-037/PN /PN EP L C12N-009
Basic Patent	/PNB	The basic patent number in the record. Link Basic Patent country code and publication date. Do not use the PNBD field.	/PNB EP /PNB EP L 1997
Basic Patent Date	/PNBD	Date for the basic patent. Use numeric operators: =, <, >, <=, >=.	/PNBD=1997
Standardized Patent Number	/XPN	To facilitate searching across patent databases, Questel•Orbit has created a standardized patent number which can be extracted with the MEM command and then reused as a search term with the *MEM super-term.	MEM /XPN *MEM /XPN

Application Data

Search by	Index	Search Hints	Examples
Application number	/AP	Search using the number in the format: YYYYCC-NNNNNNN CC= ISO country code YY= 2-digit application year YYYYY= 4-digit application year NNNNNNN= application number The number of digits varies according to the various patent offices Search by application date in the format: YYYYMMDD YYYYMM YYYY Application numbers have been recorded from all source documents from DW 199216 onwards. Partial coverage of application numbers commenced DW 198409 for BE, DE, GB, JP, SU, WO, NL and ZA. Gaps in coverage have now also been filled where possible for DE, EP, JP, US and WO.	/AP 1978EP-0100811 /AP 1989WO-US01469 /AP 1994US-0352062 19950625/AP 199506/AP 1995/AP
Application country	/APC (or /AP)	Search by ISO country code.	/APC WO /APC WO L 1998
Application date	/APD	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >=.	APD=1989-04-07 APD=1998-01:1998-06 APD>=1989 Do not use this field to link (L) with the AP (APC) field.
Standardized Application Number	/XAP	To facilitate crossfile searching with other patent databases, Questel•Orbit has created a standardized application number which can be extracted with the MEM command and then reused as a search term with the *MEM super-term.	MEM /XAP *MEM /XAP

Priority Data

Search by	Index	Search Hints	Examples
Priority number	/PR	Search using the number in the format: YYYYCC-NNNNNNN CC= ISO country code YYYY= 4-digit priority year NNNNNNN= priority number The number of digits varies according to the various patent offices Search by priority date in the format: YYYYMMDD YYYYMM YYYY	/PR 1997DE-1020719 /PR 1988US-0179406 19950625/PR 199506/PR 1995/PR
Priority country	/PRC (or /PR)	Search by ISO country code.	/PRC CA /PRC CA L 1995
Priority date	/PRD	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >=.	PRD=1998-02-08 PRD=1998-01:1998-06 PRD>=1997 Do not use this field to link (L) with the PR (PRC) field.
Standardized Priority Number	/XPR	To facilitate crossfile searching with other patent databases, Questel•Orbit has created a standardized priority number which can be extracted with the MEM command and then reused as a search term with the *MEM super-term. Note: The standardized format for the XPR field is YYYYCC-NNNNNNN.	MEM /XPR *MEM /XPR

Applicant and Inventor Data

Search by	Index	Search Hints	Examples
Patent Assignee	/PA	Search by: - single terms using search operators and truncation - full name using implied adjacency	/PA MAX AND PLANCK
	/PAN	/PAN searches Patent assignee name as a bound phrase. With the NBR, MEM and MEMS commands, use the /PAN index.	NBR /PAN MAX PLANCK
Company Code	/CC (PAN)	Search using the format AAAA for unique standardized codes assigned to major companies. Search using the format AAAA- or AAA- for non-unique codes assigned to smaller companies; search AAAA/ or AAA/ for individuals; AAAA= for Soviet institutes from mid-1975 only. Search these by surrounded by quotes followed by the CC field. Prior to 1970, all Company codes are in the format AAAA.	/CC GLAX /CC OR BADI, HENK, UNIL, PROC
Patent Assignee - Individual	/PAI	Search for patents assigned to individuals. Search by: -single terms using search operators and truncation -full name using implied adjacency	/PAI GONZALEZ OCHOA C
	/PANI	/PANI searches Patent assignee individual name as a bound phrase. With the NBR, MEM and MEMS commands, use the /PANI index.	NBR /PANI HARRIS G H
Inventor	/IN	Search by: - single terms or groups of words from the inventor name. - full name using implied adjacency Use the D proximity operator to combine the Family Name and First Name.	/IN OPPERMANN D H
	/INN	Use /INN to search inventor name and initials as a bound phrase. Note: First names are never spelled out in full at the invention level, initials are used. Multiple initials are squeezed together, e.g. GUNTHER CJ	NBR /INN CURTIS J

Classifications

Search by	Index	Search Hints	Examples
International Patent Classification (IPC v 8) Note: Not all attributes will be available for all codes. Questel Orbit will output what is delivered to us by the producer	/IC /ICAA /ICAI /ICAN /ICCA /ICCI /ICCN /ICM /ICA /ICS	IPC All IPC v8 and historical IPC Advanced All IPC Advanced Inventive IPC Advanced Non-Inventive IPC Core All IPC Core Inventive IPC Core non-Inventive IPC codes can be searched at different levels : full code (ANNA-NNN/NNNN) group (ANNA-NNN) sub-class (ANNA) class (ANN+ – use unlimited truncation) ICM: Main IPC (from 1995 to 2006) ICA: Additional IPC ICS: Secondary IPC	 /IC A43B-005/04 /IC1 A43B-005 /IC2 A43B /IC A43+ /ICM A63B-043 /ICA B25B-001 /ICS F01B
EPO Classification (ECLA)	/EC	Search the ECLA codes in the following formats: SubClass: ANNA Group: ANNA-NNN SubGroup: ANNA-NNN/NN Subdivision: ANNA-NNN/NNN ANNA-NNN/NNA ANNA-NNN/NNAN ANNA-NNN/NNANA ANNA-NNN/NNANAN The generic levels are separately searchable without truncation. Use double quotes to search the complementary chemical codes that contain colon [:] separators. Note: To search the range of ECLA codes, use colon [:] between the first and last item specified in the range of codes. Auto posting of the subclasses may cause false hits, please use this feature with care.	 /EC A63F /EC E21B-001 /EC E21B-00? /EC E21B-003/02 /EC C21D-001/773 /EC C21D-006/00K /EC B25G-001/06S1 /EC B25F-005/02B2B /EC C12Q-001/68D2E1 /EC A63F /EC E21B-001 /EC “C07C-025:08” /EC "C07C-025:125" /EC A63F-001/00:A63F-001/16

Classifications (cont'd)

Search by	Index	Search Hints	Examples
EPO Classification ICO (In Computer Only) Classification Note: Applied by the EPO examiners	/ICO	ICO classification is based on the ECLA classification system. The ICO codes are used in the following cases: - non-inventive aspects; - when one group takes precedence over another group; - for additional characteristics (if there is no specific group). ICO symbols are derived from classification symbols, with a different 1st letter: instead of A,B,C,D,E,F,G,H the letters K,L,M,N,P,R,S,T are used. The ICO codes maybe either entirely or partially derived from the ECLA codes (there are also codes that are not derived from an existing code).	/ICO K61M /ICO K61M-016 /ICO K61M-016/00M8 /ICO L65D-019/00Y4B1 /ICO L65G-812/02F4D2D4B
USPTO Classification (PCL) Note: US Classes are revised quarterly and retrospectively applied	/PCL /PCLO	Search the Main (Primary) and Cross Reference (Secondary) classes simultaneously Search the original US classification with 9 or 12 characters in the format: MMMSSSDDDAAA. - MMM= three digit main class - SSS= three digit subclass or DIG for digest - DDD= three digits - AAA= 1-3 alpha characters To search the PCL by: - the class (3 characters), - the "digest" including the DIG notice, - the full code (ending with 3 digits (DDD) and 3 alphanumeric characters (AAA). Search the Main US Class	/PCL 714777000 /PCL 714 /PCL 714005 /PCLO 714
DWPI Classes	/DC	Use to search for DWPI classes.	/DC V04 /DC V

Other Indexes (listed alphabetically by index)

Search by	Index	Search Hints	Examples
Accession number	/AN	DWPI accession number	/AN 1999-071035
Accession Year	/AY (or EY)	Indicates year of publication by producer. This is a rangeable field. Use numeric operators: =,<,>,<=,>=	/AY=1999 /AY > 1996
Designated states for European Patents (EP) and PCT applications (WO)	/DS	Search by country code.	/DS AT
Filing Details	/FD	Provides information such as whether one patent is based upon another or is a division of another.	/FD AU9862552 /FD AT
File Segment	/FS	Use to restrict retrieval to CPI, EPI ENGPI, API records.	/FS EPI /FS CPI
Language (original)	/LA	Indicates the original language of the document	/LA ENG ENGLISH/LA
Manual Codes	/MC	Manual Codes represent broad categories for the main inventive features of a basic patent. Format varies from ANN to ANNA-ANNAN. Truncate for broader retrieval. Note: Electronic/Electrical Patents Index (EPI) Manual Codes are available to non-subscribers.	/MC V04-R04F /MC W04+ /MC W04-T
Number of Countries	NC	Contains the number of countries in the patent family for a record, including the designated states for EP and PCT (WO) documents. EP and PCT are not themselves counted as countries. Regular modifications reflect newly added equivalent members. Use numeric operators: =, <, >, <=, >=	NC =< 8 NC > 10
Number of Patents	NP	Contains the number of patents in a patent family for a given record. Regular modifications reflect newly added equivalent members. Use numeric operators: =, <, >, <=, >=	NP =< 5 NP > 1

Other Indexes (listed alphabetically by index) (contd.)

Update codes	/UP, /UB, /UA, /UC, /UE, /UALL	Search in the format YYYY-WW. UP: New records with PNs identified as Basic. UA: Update Polymers UB: Update Chemical Codes UC: Update Corrections UE: Update Equivalents UALL: All Update Codes (for any update modifications)	/UP 1999-04
CPI Secondary Accession Numbers	/XA	Searchable as CYY-NNNNNN or CYYYY-NNNNNN. Used to locate CPI records in indexes and microfilm.	/XA C1999+ /XA C1999-122948
EPI Secondary Accession Numbers	/XP	Searchable as NYY-NNNNNN or NYYYY-NNNNNN. Used to locate EPI records in indexes and microfilm.	/XP N1999+ /XP N1999-111179

Subscriber Only Fields

Search by	Index	Search Hints	Examples
Extension Abstract	/EX	Provides supplementary chemical and biological detail. From 1995-1999 this Extension Abstract (EX) corresponds to the Thomson Scientific Documentation Abstract. From mid-1999 onwards the Extension Abstract (EX) represents the online implementation of the Thomson Scientific Documentation Abstract when taken together with the Basic (Alert) Abtract (AB) and Technology Focus (TF). **Note:** can only be searched and displayed in file DWPX. Available from DW 199916 onwards.	/EX BACTERI+ 5D INFECTION
CPI Manual Codes	/MC	CPI Manual Codes represent broad categories for the main inventive features of a basic patent. **Note**: Searching EPI manual codes available to non-subscribers.	/MC B04-A0712 /MC A04-G01 /MC C14-H01B
PLASDOC Multipunch Codes	/AM /AMS	Plasdoc Multi-punch codes were applied to patents referring to polymers and plastics. Use S to search codes in context, since a DWPI record may contain several subfields. Note: discontinued from DW 199501 onwards. /AMS is a super index for AM and PI01-PI40 fields	/AM 014 /AM 014 S 443
PLASDOC Key Serial Number	/KS	Plasdoc Keyterm Serial Numbers were applied to patents referring to polymers and plastics. Note: discontinued from DW 199501 onwards.	/KS 1762

Subscriber Only Fields (cont'd)

Search by	Index	Search Hints	Examples
Polymer Indexing	/PI /AMS	Polymer Indexing replaced Plasdoc Coding (AM, KS) from DW 9332 onwards. Use proximity operators: S: Same sentence (level 1) P: Same paragraph (level 2) F: Same field (level 3) Please refer to Polymer Indexing Online User Guides for full details on how to make efficient use of "linking levels" and associated proximity operators. **Note:** - to display the Polymer Indexing (PI) information, use the CODE or TICO formats (PRT TICO or CODE) - to check the presence of a Polymer Indexing (PI) information, enter PI01=YES - to perform statistical analysis on the PI fields, use: GET PIO1, GET PI02, etc. /AMS is a super index for AM and PI01-PI40 fields	/PI A044 /PI F17 S F70 /PI P R00446,R00708,H0022 /PI P1741 F N6144
Ring Index	/RR	Ring Index Numbers are used to search specific ring systems that are not uniquely described by a chemical code. Use in conjunction with chemical codes. RR is searchable from 1972 onward as 5 digit numbers. Add leading zeros if necessary. Also linkable with B,C,E fragmentation codes.	/RR 03624 /RR 00138 L 62634 /MALL Q233 L 00945 /MALL Q233 S 00945
M0-M6 Chemical Codes	/MO-M6 /MALL	CPI chemical codes are substructure codes applied to sections B, C, and E of Chemical Patents Index. Both single and Markush compounds are described. Several separate subfields may appear in a record; use L to search codes in context. /MALL is a super index for M0-M6. Also linkable to Ring Index Numbers	/M2 G060 /MALL J131 /M2 M910 L M413

Extending Family Searching

To create a extended patent family for a particular invention, use the **FAM** command with the known patent number. Note: the XPN, XAP, and XPR fields may also be used for family searching as long as the Questel•Orbit standardized format is used.

Examples:

- Publication number: FAM EP---1234/PN Standardized Format
- Application number: FAM 1978EP-0100811/AP Standardized Format
- Priority number: FAM 1997DE-1020719/PR Standardized Format

Statistical Analysis

The following patent information in the DWPI databases can be statistically analyzed:

Publication Info		**Application / Priority Info**		**Classifications**	
Patent Assignee	GET PA	Priority Country	GET PRC	IPC Intl. Patent Classification	
	GET AN	PriorityDate(year)	GET PR		GET IPC
Inventor	GET IN		GET PRD		
	GET INN			Main IPC	GET MIPC
Company Code	GET CC	Application Country	GET APC		
Publication Country	GET PC	Application Date(year)	GET AP	Polymer Indexing	GET PI01
Publication Date (year)	GET PD		GET APD		GET PI02
Publication Year	GET PY				
Accession Year	GET AY			Manual Codes	GET MC

General Syntax: GET <field>

Options:

EMAIL	GET <field> EMAIL	to receive statistical analysis results via email
TOP n	GET <field> TOP N EMAIL	to specify TOP N entries in the analyzed listing
TOSEL <listname>	GET <field> TOSEL <listname> TOP N	
STORE	GET <field> TOSEL <listname> STORE	

Syntax: GET ss N <field> TOSEL <listname> SAVE/STORE [TOP N, GT M]

Example: GET PA TOP 20 EMAIL

Current Awareness – SDI Profiles

It is possible to setup SDI (Current Awareness) profiles in the DWPI database by using the SDI command after the search strategy has been created in the database. The created SDI profiles will be automatically run against each new update to the database and the results will be sent either via postal mail or email (if specified).
The easiest way to set up SDIs is using the Create SDI feature available in QWEB. When logged into Questel Orbit using QWEB, after you have created your search strategy, simply click "Create SDI" and fill in the menu boxes.

If you elect to search Questel Orbit using non web-browser software, you may use Questel Orbit's easy SDI creation & modification menus.

Step 1: **a**) Check Your Mail and Email Address: Update Permanent Mail Address, by entering: **ad**

```
PERMANENT ADDRESS

        MYCOMPANY  INC
        TECHNICAL LIBRARY
        JANE E. SMITH
        123 MAIN STR
        ANYWHERESVILLE, NY  11000
        UNITED STATES OF AMERICA

      Change this address: Y / N
y

   Enter your postal address under the
following Seven headings :
   1  Organization; 2  Dept;  3
Name; 4  Street; 5  Optional Info
   6  Postal / Zip Code, City &
Province / State;   7  Country
```

b) Check / Update Permanent Email Address by entering: **set email**

```
    E-Mail address :

jsmith-techlib@mycompany.com
        Change of E-Mail address :
YES/NO
```

Step 2: Create Strategy:

```
File DWPI
/pa cisco

** SS 1: Results 510
```

Step 3: Enter: **SDI** [and follow the menu prompts]

```
sdi

Profile name ?
cisco
Confirm profile name (Yes / No) ? CISCO
a) Further parameter options in the menu
Survey field(s) ? : (eg. UP UE)
**Please see examples below**
Set up SDI in another file ? : Yes / No
Delivery type ? enter mail /postal or
email
E-Mail address : up to 6 addresses, each
on separate line
Delivery Format (TXT or RTF or PDF or
XML) :
Display Format :
Print Images ? : Yes / No
SDI title (3 lines maximum, up to 60
Chars.)
Page Styles :
Sort results by field(s) : (e.g.  /PA)
Subaccount :
```

*****The Survey Fields are the update codes that determine**:***

- SDI frequency: weekly, monthly or 3 working days*
- Data searched: Basic, Indexing, Class or Citations

UP - all new records added to file in an update *
UP4 - all new records added to file in a calendar month

UE - all records with equivalent(s) added in an update *
UE4 - all records with equivalent (s) added in a calendar month

UAPI - all records with API indexing added in weekly update
UA - all records with Polymer Indexing added in an update *
UB - all records with Chemical Indexing added in an update *

* More than weekly: DWPI is currently updated every 3-4 working days

Display Formats

Field/Index catalogues

```
ABS   <---  AB    AB!   EAB   FAB   GAB   OAB   TF
AMS   <---  AM    PI01  PI02  PI03  PI04  PI05  PI06  PI07  PI08  PI09
            PI10  PI11  PI12  PI13  PI14  PI15  PI16  PI17  PI18  PI19
            PI20  PI21  PI22  PI23  PI24  PI25  PI26  PI27  PI28  PI29
            PI30  PI31  PI32  PI33  PI34  PI35  PI36  PI37  PI38  PI39
            PI40
MALL  <---  M0    M1    M2    M3    M4    M5    M6
```

File formats

```
 STDR  <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
             PN    PR
 TEST  <---  AN    XR    AXR   XA    XP    FS    DC    TT    AW
 TR    <---  AN    XR    AXR   XA    XP    FS    DC    TT    AW
 SCAN  <---  AN    XR    AXR   XA    XP    FS    DC    TT    AW
 SC    <---  AN    XR    AXR   XA    XP    FS    DC    TT    AW
 TRT   <---  AN    XR    AXR   XA    XP    FS    DC    TT    AW    IC
             ICAA  ICCA  EC    ICO   PCL   MC
 MAX   <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
             NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   PCL
             DS    AB    EAB   FAB   GAB   OAB   MC    UP    UP4   UE
             UE4
 MAXT  <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
             NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   PCL
             DS    AB    EAB   FAB   GAB   OAB   MC    UP    UP4   UE
             UE4
 MAXL  <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
             NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   EC
             ICO   PCL   DS    AB    TF    EAB   FAB   GAB   OAB   MC
             UP    UP4   UE    UE4
 MAXR  <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
             NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   PCL
             DS    AB    TF    EAB   FAB   GAB   OAB   MC    UP    UP4
             UE    UE4
 VDTX  <---  AN    TI    DC    PA    PN    PR
 ZOOM  <---  PNB
 FULL  <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
             NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   PCL
             DS    AB    MC    UP    UP4   UE    UE4
 FU    <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
             NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   PCL
             DS    AB    MC    UP    UP4   UE    UE4
 BASC  <---  AN    XR    XA    XP    TI    DC    AW    PA    IN    PR
             NP    NC    PNB   IC    ICAA  ICCA  EC    ICO   PCL   AB
 BRF   <---  AN    XR    XA    XP    TI    PA    DC    AB
 ABST  <---  AN    XR    XA    XP    TI    DC    AW    PA    IN    NP
             NC    PN    PR    AB    TF    EAB   FAB   GAB   OAB
 CODE  <---  AN    XR    XA    XP    TT    DC    AW    IC    ICAA  ICCA
             EC    ICO   PCL   MC    KS    AM    PI01  PI02  PI03  PI04
             PI05  PI06  PI07  PI08  PI09  PI10  PI11  PI12  PI13  PI14
             PI15  PI16  PI17  PI18  PI19  PI20  PI21  PI22  PI23  PI24
             PI25  PI26  PI27  PI28  PI29  PI30  PI31  PI32  PI33  PI34
             PI35  PI36  PI37  PI38  PI39  PI40  M0    M1    M2    M3
             M4    M5    M6    RR    DR    CN    KW    DCR   UA    UB
 PREV  <---  AN    XR    XA    XP    FS    DC    TI    AW
 TITL  <---  AN    XR    XA    XP    FS    DC    TI    AW
 TICO  <---  AN    XR    XA    XP    DC    TI    AW    IC    ICAA  ICCA
             EC    ICO   PCL   MC    KS    AM    PI01  PI02  PI03  PI04
             PI05  PI06  PI07  PI08  PI09  PI10  PI11  PI12  PI13  PI14
             PI15  PI16  PI17  PI18  PI19  PI20  PI21  PI22  PI23  PI24
             PI25  PI26  PI27  PI28  PI29  PI30  PI31  PI32  PI33  PI34
             PI35  PI36  PI37  PI38  PI39  PI40  M0    M1    M2    M3
             M4    M5    M6    RR    DR    CN    KW    DCR   UA    UB
```

```
TT    <---  TT    AW
SUM   <---  AN    XR    XA    XP    DC    TI    NOV   AW    IC    ICAA
            ICCA  EC    ICO   PCL
MAXC  <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
            NP    NC    PN    PR    IC    ICAA  ICCA  EC    PCL   DS
            AB    TF    EAB   FAB   GAB   OAB   MC    KS    AM    PI01
            PI02  PI03  PI04  PI05  PI06  PI07  PI08  PI09  PI10  PI11
            PI12  PI13  PI14  PI15  PI16  PI17  PI18  PI19  PI20  PI21
            PI22  PI23  PI24  PI25  PI26  PI27  PI28  PI29  PI30  PI31
            PI32  PI33  PI34  PI35  PI36  PI37  PI38  PI39  PI40  M0
            M1    M2    M3    M4    M5    M6    RR    DR    CN    KW
            DCR   UP    UP4   UA    UB    UE    UE4
ALL   <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
            NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   PCL
            DS    AB    TF    EAB   FAB   GAB   OAB   MC    KS    AM
            PI01  PI02  PI03  PI04  PI05  PI06  PI07  PI08  PI09  PI10
            PI11  PI12  PI13  PI14  PI15  PI16  PI17  PI18  PI19  PI20
            PI21  PI22  PI23  PI24  PI25  PI26  PI27  PI28  PI29  PI30
            PI31  PI32  PI33  PI34  PI35  PI36  PI37  PI38  PI39  PI40
            M0    M1    M2    M3    M4    M5    M6    RR    DR    CN
            KW    DCR   UP    UP4   UA    UB    UE    UE4
PAT   <---  TI    IN    PN
```

- "Standardized Number" (XPN, XAP, XPR), fields are not included in any display format. To display these items enter the field name with the PRT command:
Example: PRT XPR or PRT MAX PLUS XPR

DWPX database:
Please see formats defined in DWPI, the following formats are defined differently in DWPX:

```
MAXR  <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
            NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   PCL
            DS    AB    TF    EX    DOAB  EAB   FAB   GAB   OAB   MC
            UP    UP4   UE    UE4

ABST  <---  AN    XR    XA    XP    TI    DC    AW    PA    IN    NP
            NC    PN    PR    AB    TF    EX    DOAB  EAB   FAB   GAB
            OAB

ALL   <---  AN    XR    AXR   XA    XP    TI    DC    AW    PA    IN
            NP    NC    PN    PR    IC    ICAA  ICCA  EC    ICO   PCL
            DS    AB    TF    EX    DOAB  EAB   FAB   GAB   OAB   MC
            KS    AM    PI01  PI02  PI03  PI04  PI05  PI06  PI07  PI08
            PI09  PI10  PI11  PI12  PI13  PI14  PI15  PI16  PI17  PI18
            PI19  PI20  PI21  PI22  PI23  PI24  PI25  PI26  PI27  PI28
            PI29  PI30  PI31  PI32  PI33  PI34  PI35  PI36  PI37  PI38
            PI39  PI40  M0    M1    M2    M3    M4    M5    M6    RR
            DR    CN    KW    DCR   UP    UP4   UA    UB    UE    UE4
```

Note to Subscribers:

Subscribers should use TICO or TITL free formats to display title information. (Note: These formats are not free to non-subscribers.) Subscribers can overwrite existing formats by creating customized formats with the FOR command.

To create a SCAN format which includes the title: FOR SCAN AN XR XA XP FS DC TI AW NP NC

Other Display Options

PATVIEW: To display the details for each member of the family adding the PATVIEW option will display the DWPI record followed by the DWPIMV records. By default the PATVIEW display is STDR in both DWPI and DWPIMV

PRT PATVIEW	Displays the DWPI record in STDR format followed by the record(s) from DWPIMV STDR format
PRT <format> PATVIEW	Display the DWPI record in a predefined format followed by the records from DWPIMV in STDR format **Example: PRT TITL PATVIEW**
PRT PATVIEW (<format>)	Displays the DWPI record in STDR format followed by the record(s) from DWPIMV in a predefined format. **The 2nd format must be placed between brackets ( ).** **Example: PRT PATVIEW (ALL)**
PRT <format> PATVIEW (<format>)	Display the DWPI in a predefined format followed by the record(s) from DWPIMV in a predefined format. **The 2nd format must be placed between brackets ( ).** **Example: PRT BASC PATVIEW (ALL)**

Image Display: To display an image in a record, use the IMG parameter:

Displaying image:	Add the IMG parameter to a display format
Example:	**PRT MAXL IMG**

Legal Feature: Display including corresponding Legal Status record(s):

LEGAL	Display from LGST (Legal Status),
LEGALEP	Display from the EPPATENT
LEGALUS	Display from CRXX and LITA
LEGALIFI	Display from CRXX
LEGALALERT	Display from LITA
LEGALALL	Display from LGST, EPAPAT, CRXX and LITA
Example:	**PRT ALL LEGALALL**

Cited Feature: Display including EP, PCT, FR and US patent and literature citations:

CITEP	Display citations from EPPATENT
CITEPCT	Display citations from WOPATENT
CITFR	Display citations from FRPATENT
CITUS	Display citations from USPAT
CITEPPCT	Display citations from EPPATENT and WOPATENT
CITALL	Display citations from EPPATENT, WOPATENT, FRPATENT, and USPAT
Eample:	**PRT MXR CITUS**

Full-text Feature: Display corresponding US, EP, FR and PCT full-text records.

FULLEPO	Display full text from EPAPAT
FULLWO	Display full text from PCTFULL
FULLUS	Display full text from USPAT
FULLTEXT	Display full text from EPAPAT, PCTFULL, USPAT and FRFULL
FULLCLMS	Display the full claims from EPAPAT, PCTFULL, USPAT and FRFULL
Example:	**PRT FULL FULLTEXT**

Searching Source Data

To search the source data for family members it is necessary to use the **DWPIMV** file.
DWPIMV contains records for each publication stage for each member found in a DWPI family, where available.

Basic Index DWPIMV

Search by	Index	Search Hints	Examples
Terms from the Basic Index	/BI (default)	The Basic Index incorporates: TI DWPI Title TT DWPI Title Terms ET Original Title English FT Original Title French GT Original Title German OTI Original Title Other Language AB DWPI Abstract EAB English Original Abstract FAB French Original Abstract GAB German Original Abstract NOV Novelty (included in AB) TF Technology Focus MCLM Original Main Claim English FCLM Original Main Claim French GCLM Original Main Claim German All Basic Index terms may be searched unqualified to an index. For all these indexes, search by: - single terms using Boolean or proximity operators. - phrases using implied adjacency Use truncation. Left-hand truncation is available. All Basic Index terms may be searched qualified to an index.	BIOSYNTHETIC AND OSTEOGENIC OSTEOGENIC PROTEIN? +SYNTHETIC+ /MCLM +SYNTHETIC+
Title	/TI	Search by: - single terms using Boolean or proximity operators. - phrases using implied adjacency. Use truncation. Left-hand truncation is available.	/TI OSTEOGENIC PROTEIN?
Title Terms	/TT	Words in their preferred form generated from the DWPI Title	/TT FLUOROCARBON
Original Titles English (WO, EP, US, GB, AU, JP) French (WO, EP) German (WO, EP, DE) Other Language	 /ET /FT /GT /OTI	For all these indexes, search by: single terms using Boolean or proximity operators. phrases using implied adjacency. Use truncation. Left-hand truncation is available.	 /ET FOOTWEAR SOLE /FT SEMELLE AND CHAUSSURE ? /GT SOHLE AND SCHUHWERK /OTI CILINDRO AND BORJAS

Basic Index DWPIMV (cont'd)

Search by	Index	Search Hints	Examples
DWPI Abstract	/AB	Search by: single terms using Boolean or proximity operators. phrases using implied adjacency. Use truncation. Left-hand truncation is available.	/AB DNA AND PROTEIN
Original Abstracts English (WO, EP, US) French (WO, EP) German (WO, EP, DE)	/EAB /FAB /GAB	Original Language abstracts, search by: - single terms using Boolean or proximity operators. - phrases using implied adjacency. Use truncation. Left-hand truncation is available.	/EAB ROTAT+ AND TOOL /FAB ECHANG+ 3D THERMIQUE? /GAB SCHUHWERK
Technology Focus	/TF	Provides supplementary information to the Basic Abstract. Covers topics outside the main technology, as described in the Basic Abstract, and includes further information about the preferred features of the invention. Note: Available from DW 199908 forward.	/TF LIGHT AND EMIT+ /TF PROTEIN 5D VECTOR
Novelty	/NOV	This field describes what constitutes an improvement on preceding technology or prior art. This information is also integrated in the abstract field (AB). Note: Available from DW 199908 forward.	/NOV LIGHT AND EMIT+
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Original Main Claims English (EP, US, GB) French (EP) German (EP, DE)	/MCLM /ECLM /FCLM /GCLM	Original Language Main Claims, search by: - single terms using Boolean or proximity operators. - phrases using implied adjacency. Use truncation. Left-hand truncation is available	/MCLM DISPENSING AND SHUT+ /FCLM DISTRIBUT+ AND OBTUR+ /GCLM AUSGABE VERSCHLUSSMITTEL

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            ICH   PCL   AB    TF    EAB   FAB   GAB   OAB   MCLM  FCLM
            GCLM  UP    UP4
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AB	Basic Abstract
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AN	Accession Number
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ICAI	IPC Advanced Inventive
ICAN	IPC Advanced Non-Inventive
ICCA	IPC Core All
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INN	Inventors Name (phrase indexed)
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KW	Keyword Index Terms, including DCR numbers
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MC	Manual Codes
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NC	Number of Countries
NO	Novelty
NP	Number of Patents
PA	Patent Assignee
PAA	Patent Assignee Address (DWPIMV only)
PAC	Patent Assignee Country (DWPIMV only)
PAN	Patent Assignee (phrase indexed)
PAI	Patent Assignee Individual
PANI	Patent Assignee Individual (phrase indexed)
PCL	US Patent Classification
PCLO	US Class Code (Original)
PIO1	Polymer Indexing
PN	Patent Number
PNB	Patent Basic
PNBD	Patent Basic Date
PR	Priority Number
PRD	Priority Date
QW	Questel Week (DWPIMV only)
REP	Representative (DWPIMV only)

RR	Ring Index Numbers
TF	Technology Focus Abstract
TI	Title
TT	Title Terms
UP	Update Codes
UA	Update Polymers
UB	Update Chemical Codes
UC	Update Corrections
UE	Update Equivalents
UALL	All Codes Update
XA	Secondary Accession Number (CPI)
XAP7	Standardized Application Number
XCT	Standardized Citation Number
XP	Secondary Accession (Non-CPI)
XPN	Standardized Patent Number
XPR6	Standardized Priority Number
XPR7	Standardized Priority Number
XR	Related Accession Number(s)