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Field Help: Definitions and Searching

This page has been designed to help you get the most out of the Delphion Integrated View and the Delphion search forms. It explains what data is in the fields on the Delphion Integrated View and how best to search for that data.

The field names shown here are the field names (or labels) used on the Delphion Integrated View. Codes shown in parentheses following most field names are the "abbreviations" that can be used in an advanced query language search to search for that specific piece of patent information. A [summary of field name abbreviations](#) is included at the end of this document. See the [Basics of Creating and Refining Queries](#) in the Delphion Help Center for more information on using query language for searching.

Use the following links to jump to the field of your choice or scroll to review all fields in alphabetic order:

- [Abstract](#)
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- [INPADOC Legal Status](#)
- [Inventor](#)
- [IPC Code](#)
- [Kind](#)
- [Maintenance Status Code](#)
- [National Class](#)
- [Other Abstract Info](#)
- [Other References](#)
- [Parent Case](#)
- [PCT Number](#)
- [PCT Pub./Filed Dates](#)
- [Primary/Assistant Examiners](#)
- [Priority Country](#)
- [Priority Date](#)
- [Priority Number](#)
- [Publication Number](#)
- [Published / Filed](#)
- [Related Applications](#)
- [Representative Image](#)
- [Title](#)
- [US Class](#)
- [US References](#)
- [§371 /102\(e\) Dates](#)

Field: Abstract (AB)

Definition: A brief summary or description of the invention.

Search/field scope: Biblio and full text

Note 1: Parenthetical comments in the Notes column are color-coded to indicate the type of action:

- Red = negative action
- Green = positive action
- Black = neutral action

Note 2: In the Notes column, "granted" and "application" status information comes from the USPTO. "Presumed granted" status is added by Delphion and is derived from a comparison of dates and subsequent actions.

Best way to search:

- On the **Advanced** form, under **Text Fields**, enter the word or phrase you want to search for in the **Abstract** text entry box.
- On the **Boolean** form, select **Abstract** from the drop-down box. Enter the word or phrase you want to search for in the text entry box.

Note 1: If the patent you have requested does not contain an abstract, and another patent with the same number but a different kind code does have an abstract, then the abstract will be shown

on the Delphion Integrated View. In addition, this "replacement" abstract will be searchable. When this occurs, the Delphion Integrated View will show "from equivalent" and the patent number of the equivalent (which will be linked to that patent's Integrated View).

Note 2: For EP and WO patents, this field can also be searched in German, French, or Spanish. To do this, search against **abstractde**, **abstractfr**, or **abstractes**. See the [Query Language Help](#) page in the Delphion Help Center for more information.

Sample patent data:

1. A recognition system for robots is responsive to encoded information from a plurality of sources for enabling a robot to recognize and identify the sources. A receiver located on the robot detects incoming signals and decodes them. The decoded signal is compared with information stored in the robot memory to provide source identification. A direction determining sub-system incorporated into the receiver provides source direction information. The system may utilize either digital or analog techniques.
2. An elevator apparatus including an elevator path having a restricted height. Under a roping ratio of 1:1, a thin driving unit having a traction sheave and a driving mechanism is positioned between an inner wall of the elevator path and a space occupied by an elevator car rising and falling in the elevator path. One end of a suspension rope is fixed to the elevator car in a position below a ceiling of the elevator car. With the arrangement, the car can move close to the ceiling of the elevator car effectively. Further, it is possible to reduce respective heights of the elevator path and a building equipped with the elevator apparatus.
3. N,N'-Diacetylene diamine (DAED) is produced by first adding the stoichiometric amount of acetic acid (2 mols per mol of ethylene diamine) at least partially in the form of aqueous acetic acid to ethylene diamine, distilling off in a second step the water contained in the reaction mixture, adding acetic acid in excess to the remaining product, distilling off the aqueous acetic acid formed and recycling it into the first process step. The DAED remains as sump product after distillation of the acetic acid. [from equivalent [EP0006613A1](#)]

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Field: Application Number (AN)

Definition: Unique number assigned to applications when they are filed. This is not the same as the Publication Number, which is assigned when the application is published.

Search/field scope: Biblio and full text

Best way to search:

- On the **Advanced** form, under **Date & Code Fields**, in the **Application Number** text entry box, enter the Application Number you want to search for.
- On the **Boolean** form, select **Application Number** from the drop-down box. Enter the Application Number you want to search for.

Sample patent data:

1. US2001000760007
2. EP1986000115109

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Field: Assignee (PA)

Definition: The person(s) or entity(ies) to whom ownership of a patent was assigned at the time the patent was issued (the original assignee). In the case of application, the Assignee field shows the applicant.

Search/field scope: Biblio and full text

Best way to search:

- On the **Advanced** form, under **Text Fields**, enter the Assignee information you want to search for in the **Assignee** text entry box.
- On the **Boolean** form, select **Assignee** from the drop-down box. Enter the Assignee information you want to search for in the text entry box.

Note 1: This field may contain the address of the Assignee and that information is also searchable. For example, searching for NJ will return patents with Assignees whose initials are shown as NJ as well as patents with Assignees whose addresses are in NJ (New Jersey). To restrict a search to just the assignee name or the assignee address, you can use the fields **AssigneeName** or **AssigneeAddr** instead of **PA**, in a refine search box.

Note 2: For INPADOC records, if there is no Assignee, the Inventor name is shown in the Assignee field.

Note 3: In the US Granted collection, when searching for Assignee (PA), your Result Set may include patents with a *current* assignee, or current assignee corporate tree member, that matches your query in addition to those in which the *original* assignee matches your query. To eliminate these from your Result Set, in a refine search box, search against **AssigneeName** rather than searching against **Assignee**, **AssigneeFamily** or **PA**.

Note 4: See [Using Corporate Tree](#) in the Delphion Help Center for information on using Corporate Tree for Assignee searches.

Sample patent data:

1. **COLGATE-PALMOLIVE COMPANY**, 300 Park Avenue, New York, NY 10022, United States of America
2. **New Mexico State University Technology Transfer Corporation**, Las Cruces, NM

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Field: Attorney, Agent, or Firm (AGENT)

Definition: The name of the legal representative for the patent applicant.

Search/field scope: Biblio and full text

Best way to search:

- On the **Advanced** form, under **Text Fields**, enter the name of the Attorney, Agent, or Firm you want to search for in the **Attorney, Agent, or Firm** text entry box.
- On the **Boolean** form, select **Attorney, Agent, Firm** from the drop-down box. Enter the name of the Attorney, Agent, or Firm you want to search for in the text entry box.

Sample patent data:

1. Gray Cary Ware & Freidenrich, LLP ;
2. Martineau, Francois ; Lesperance, Pierre ;

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Field: Background / Summary (BACKGROUND)

Definition: Background and summary information describing this invention.

Search/field scope: Full text only; US only

Note: On some patent documents, this information is included in the Description, on others it is shown as a separate entry. When it is shown as a separate entry, it is carried in this field on the Delphion Integrated View.

Best way to search:

- On the **Advanced** form, enter the BACKGROUND terms you want to search for in the Any Field box followed by <in> BACKGROUND.
- On the **Boolean** form, enter the BACKGROUND terms you want to search for in an All Fields box (under Search Fields) followed by <in> BACKGROUND.
- On the **Quick/Number** form, enter the Background terms you want to search for in the Text Search box followed by <in> BACKGROUND.

Example syntax: engine <in> BACKGROUND.

Sample patent data:

1. *Field of the Invention*

My present invention relates to a method of packaging articles which can be assembled in a bundle or stack and which can be encircled by a retainer to form a package. More particularly, the invention relates to the formation of a package from a bundle of such articles in which the packaging material forms a frame having at least one open frame field.

Background of the Invention

German Utility Model 80 02 686 describes a process for the packaging of articles wherein L-shaped bars are applied to the edges of a stack. The L-shaped bars are preferably deep drawn plastic sections. Because of unavoidable tolerances between the material to be packaged and the encircling frame, retaining bands are required which must pass over the packaged material and across the open frame field. The formation of the package is expensive at least in part because format specific and product-specific L-shaped sections must be used and changeover for the packaging...

2. BACKGROUND OF THE INVENTION

This invention relates to the use of substituted 4',6'-acetal benzylmaltosides as smooth muscle cell proliferation inhibitors and as therapeutic compositions for treating diseases and conditions which are characterized by excessive smooth muscle proliferation such as restenosis.

All forms of vascular reconstruction such as angioplasty and vein bypass procedures effect a response to injury that ultimately leads to smooth muscle cell (SMC) proliferation and subsequently, deposition of profuse amounts of extracellular matrix..

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Field: Continuity Data (CONTINUITY)

Definition: This field contains information that describes any split of a portion of one patent into another.

This information is often a part of the "second" patent document, but, whenever possible, Delphion will also add the data to the Integrated View for the "original" patent.

Search/field scope: Biblio and full text; US Granted & US Applications

Note 1: Parenthetical comments in the Notes column are color-coded to indicate the type of action:

- Red = negative action
- Green = positive action
- Black = neutral action

Note 2: In the Notes column, "granted" and "application" status information comes from the USPTO. "Presumed granted" status is added by Delphion and is derived from a comparison of dates and subsequent actions.

Best way to search:

- On the **Advanced** form, under **US Specific Fields**, enter an application number, a patent number, or a filed date (YYYY MM DD) in the Continuity Data text entry box.
- On the **Boolean** form, select **Continuity Data (US Granted & Apps)** from the drop-down box. Enter an application number, a patent number, or a filed date (YYYY MM DD) in the text entry box.

Sample patent data:

Application Number	Filed	Notes
US2002000183335	2002-06-25	is a continuation in part of
US2001000921040	2001-08-02	(pending)
US20020001080A1	issued 2002-01-03	Spectral imaging system
US1999000147636	1999-02-05	is a non-provisional of provisional
US2001000300696	2001-06-25	
US2001000921040	2001-08-02	is a continuation of
US2000000633417	2000-08-07	(pending) [presumed granted]
US6373568	issued 2002-04-16	Spectral imaging system
US2001000921040	2001-08-02	is a continuation of
US2000000633417	2000-08-07	(granted)
US6373568	issued 2002-04-16	Spectral imaging system
US1999000147636	1999-02-05	is a non-provisional of provisional
> US1999000147636 <	1999-08-06	
US6156866	issued 2000-12-05	Chiral nematic polycarbonates

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Field: (Publication) Country (PC)

Definition: The Country in which this patent was published or the patent issuing authority for this patent.

Note: The Country is only searchable in the INPADOC collection. It will be displayed, however, on Delphion Integrated Views whenever available, even outside of the INPADOC collection.

Search/field scope: Biblio and full text; INPADOC only

Best way to search: On the **Advanced** or **Boolean** form, in the blue **Collection Selection** box, under For **INPADOC**, select the **Country** you want to search for from the drop-down box.

Sample patent data:

1. **WO** World Intellectual Property Organization (WIPO)
2. **EP** European Patent Office (EPO)
3. **JP** Japan

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Field: Derwent Title

Definition: Contains a concise, descriptive, English-language title written by Derwent experts to highlight the content and novelty of the invention disclosed in the patent.

Search/field scope: This data is only searchable on Derwent search forms.

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Field: Description (DESCRIPTION)

Definition: This field contains the full description of the invention.

Search/field scope: Full text only; US, EP, PCT and DE only

Best way to search:

- On the **Advanced** form, under **Text Fields**, enter the word or phrase you want to search for in the **Description** text entry box.
- On the **Boolean** form, select **Description (US, EP, or PCT)** from the drop-down box. Enter the word or phrase you want to search for in the text entry box.

Note: For EP and WO patents, this field can also be searched in German, French, or Spanish. To do this, search against **descriptionde**, **descriptionfr**, or **descriptiones**. See the [Query Language Help](#) page in the Delphion Help Center for more information.

Sample patent data:

1. FIELD OF INVENTION

This invention relates generally to mineral fillers for thermoplastics, and more specifically relates to a thermoplastic granule or pellet containing a high proportion of a particulate carbonate filler in a thermoplastic binder, for blending with an end product thermoplastic in which the carbonate filler is to be dispersed.

BACKGROUND OF INVENTION

The present invention relates to a particulate product containing a high concentration of an inorganic material, and, in particular, of calcium carbonate, which may be blended with a thermoplastic polymer, such as a polyolefin. The blend...

2. The following provides the preparation of representative compounds of this invention.

EXAMPLE 1

N-{5-[(2,3,2',3'-Tetra-O-acetyl-6-deoxy-6-benzylsulfanyl-4', 6'-O-benzylidene-β-D-maltosyl)-oxy-methyl]-2-chloro-phenyl}-acetamide

Step 1

4.Chloro-3-nitro-benzyl-β-D-maltoside heptaacetate

To a stirred solution of 4-chloro-3-nitrobenzyl alcohol (6.70 g, 35.7 mmol) and HgBr₂ (14.2 g, 39.3 mmol) in freshly distilled CH₃ CN (239 mL) was added in one portion Hg(CN)₂ (9.02 g, 35.7 mmol). After 0.5 h, acetobromomaltose (25.0 g, 35.7 mmol) was added, and the mixture stirred for 18 h at rt. The reaction was then quenched with a mixture of H₂O:brine (1:1, 100 mL) and extracted with 10% CH₂ Cl₂ :EtOAc. The combined organic extracts were dried (MgSO₄) and concentrated. Purification on silica gel (10:90 to 80:20...

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Field: Designated Country (DS)

Definition: A designated country is one in which an invention is protected in addition to the country in which the patent for the invention is filed.

Search/field scope: Biblio and full text; EP, PCT, and INPADOC only

Best way to search:

- On the **Advanced** form, under **Date & Code Fields**, in the Designated Country text box, enter the country code(s) you want to search for.
- On the **Boolean** form, select **Designated Country** from the drop-down box. Enter the country code(s) in the text entry box.

Sample patent data:

1. AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE 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 MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW, **European patent:** AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE, **OAPI patent:** BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG, **ARIPO patent:** GH GM KE LS MW SD SL SZ UG ZW, **Eurasian patent:** AM AZ BY KG KZ MD RU TJ TM

2. AU CA JP, **European patent:** AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

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Field: Domestic References

Definition: Patents and applications from the same country as the issuing country, that are cited as references by this patent or application.

Search/field scope: While this data is available in many national collection patent records, it is only available on Delphion for the DE full text collection

Best way to search:

- On the **Advanced** form, in the **Any Field** text box, enter the DE patent or application number you want to search for.

- On the **Boolean** form, leave **All Fields** in the drop-down box. In the text entry box, enter the DE patent or application number you want to search for.

Sample Integrated View data:

Domestic References:	Buy PDF	Patent	Pub.Date	Inventor	Assignee	Title
	<input checked="" type="checkbox"/>	DE4115846	1992-11-19	Ameling, Walter, Prof. Dr.-Ing	Ameling, Walter, Prof. Dr.-Ing	Verfahren zur beruehrungslosen raeumlichen Positionsmessung in Roboterarbeitsraeumen
	<input checked="" type="checkbox"/>	DE2731041	1978-01-12	Pardo, Pierre, Puteaux, FR	Regie Nationale des Usines Renault, Boulogne-Billancourt, Hauts-de-Seine, FR	Lehrverfahren fuer einen Anstrichroboter und Vorrichtung zur Ausuebung des Verfahrens
	<input checked="" type="checkbox"/>	DE2430058	1976-01-08	Schlobies, Christoph, Dipl.-Phys., 1000 Berlin	Kyborg Gesellschaft fuer Kybemetik und Organisation mbH und Co Software KG, 1000 Berlin	Positions-Mess-System fuer Roboter-Glieder

National collection patent data that corresponds to the Integrated View data shown above:

<p>19 BUNDESREPUBLIK DEUTSCHLAND</p>  <p>DEUTSCHES PATENTAMT</p>	<p>12 Offenlegungsschrift</p> <p>10 DE 196 26 459 A 1</p> <p>21 Aktenzeichen: 196 26 459.6 22 Anmeldetag: 2. 7. 96 23 Offenlegungstag: 8. 1. 98</p>	<p>51 Int. Cl.⁵: B 25 J 9/22 // B23K 11/10</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">DE 196 26 459 A 1</p>
<p>71 Anmelder: Kuka Schweißanlagen GmbH, 86165 Augsburg, DE</p> <p>74 Vertreter: Ernicke und Kollegen, 86153 Augsburg</p>	<p>72 Erfinder: Möller, Matthias, Dipl.-Ing., 38182 Cremlingen, DE</p> <p>56 Entgegenhaltungen: DE 41 15 846 A1 DE 27 31 041 A1 DE 24 30 058 A1</p>	

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Field: Drawing Descriptions

Definition: Descriptions of the drawings included in the patent document.

Search/field scope: Full text only; US, EP, and PCT only

Best way to search: On the **Advanced**, **Boolean**, or **Quick/Number** form, in the **Any Field** text box.

Sample patent data:

1. IN THE DRAWINGS:

FIG. 1 is a top plan view of a portion of a transfer boom having spreader bars mounted upon the boom by mounting devices embodying the present invention, two different forms of mounting devices being shown in FIG. 1;

FIG. 2 is an end view of one form of mounting device taken on the section line 2--2 of FIG.

1, with certain parts shown in section or broken line;
FIG. 3 is a side elevational view of the structure shown in FIG. 2, with certain parts broken away or shown in section;

2. BRIEF DESCRIPTION OF THE DRAWINGS

The present invention as defined in the claims can be better understood with reference to the text and to the following drawings.

FIG. 1 illustrates a high level block diagram 100 of the preferred embodiment of the present invention;

FIG. 1A is a high level block diagram 100A of the operational GPS satellites in the NAVSTAR GPS, which comprises 21 operational GPS satellites 130-170 distributed in 6 orbital planes 174-184 and 3 spare GPS satellites (not shown);

FIG. 2 illustrates four, simultaneous, navigation equations regarding four GPS satellites 200-206 of the NAVSTAR GPS, which equations include the clock bias C_b between the GPS satellites 200-206 and the vehicle 102;

FIG. 3 is a high level block diagram 300 of a typical autonomous work site within which the present invention can be implemented and practiced;

FIG. 4 is a high level block diagram 400 of the interrelationships between a navigator 406, a vehicle VPS architecture 1000, and vehicle controls 408 of the present invention;

FIG. 5 is a high level block diagram 500 illustrating the context of various elements and their interrelationship in an autonomous control system according to the present invention;

FIG. 6 is a high level block diagram 600 of the operation of a GPS, possibly the NAVSTAR GPS, which includes a GPS satellite constellation 200, 202, 204, and 206 and which is used in conjunction with a pseudolite 105 and a base station 188 to accurately determine the position of a vehicle 102;

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Field: ECLA Code (ECLAClass)

Definition: The European Patent Office Classification code to which this patent is assigned. The classification system is administered by the European Patent Office.

Search/field scope: Biblio only; INPADOC only

Best way to search:

- On the **Advanced** form, under **Date & Code Fields**, enter the ECLA Code you want to search for in the **ECLA Code** text entry box.
- On the **Boolean** form, select **ECLA Code** from the drop-down box. Enter the ECLA Code you want to search for in the text entry box.

Note: ECLA codes are only searchable in the INPADOC collection. They will be displayed, however, on Delphion Integrated Views whenever they are available, even outside of the INPADOC collection.

Sample patent data:

1. B60K7/00E; B60K17/04B1; B60T1/06C; F16D55/224; H02K7/116; H02K7/14; H02K9/19;
2. B01J21/18; D01F9/127D4; D01F9/127F; D01F9/127H; D01F9/127L; D01F11/12H; F16D69/02C; H01B1/02; H01B1/04; H01B1/16; H01B1/18; H01B1/24; B01J27/20; B01J35/06; C04B14/38B; C04B35/622F4; C04B35/80; C04B35/83; C08K7/06; D01F9/127B2; D01F9/127D;

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Field: Family (FAMILY)

Definition: A set of patents filed with different patenting authorities that refer to the same invention. Delphion extends the family data received from INPADOC to create the family shown on the Delphion Integrated View.

Search/field scope: This data is not searchable

Sample patent data:

Patent	Issued	Filed	Title
WO9308169A1	1993-04-29	1992-10-22	SUBSTITUTED AMINOPYRIMIDINES AS ANGIOTENSINE II ANTAGONISTS
US5336677	1994-08-09	1992-06-18	Substituted aminopyrimidines as antihypertensives
PT0100987B	1999-07-30	1992-10-22	AMINOPIRIMIDINAS SUBSTITUIDAS E PROCESSO PARA A SUA PREPARACAO
PT0100987A	1994-01-31	1992-10-22	AMINOPIRIMIDINAS SUBSTITUIDAS E PROCESSO PARA A SUA PREPARACAO
JP7500598T2	1995-01-19	1992-10-22	
GR3019543T3	1996-07-31	1996-04-03	SUBSTITUTED AMINOPYRIMIDINES AS ANGIOTENSINE II ANTAGONISTS.
ES2085043T3	1996-05-16	1992-10-22	AMINOPIRIMIDINAS SUBSTITUIDAS COMO ANTAGONISTAS DE LA ANGIOTENSINA II.
EP0611368B1	1996-02-07	1992-10-22	SUBSTITUTED AMINOPYRIMIDINES AS ANGIOTENSIN II ANTAGONISTS
EP0611368A1	1994-08-24	1992-10-22	SUBSTITUTED AMINOPYRIMIDINES AS ANGIOTENSINE II ANTAGONISTS
DK0611368T3	1996-06-03	1992-10-22	SUBSTITUERED AMINOPYRIMIDINER SOM ANGIOTENSIN II-ANTAGONISTER
DE69208263T2	1996-07-18	1992-10-22	SUBSTITUIERTE AMINOPYRIMIDINE ALS ANGIOTENSIN II ANTAGONISTEN
DE69208263C0	1996-03-21	1992-10-22	SUBSTITUIERTE AMINOPYRIMIDINE ALS ANGIOTENSIN II ANTAGONISTEN
AU2889692A1	1993-05-21	1992-10-22	SUBSTITUTED AMINOPYRIMIDINES AS ANGIOTENSINE II ANTAGONISTS
AT0133944E	1996-02-15	1992-10-22	SUBSTITUIERTE AMINOPYRIMIDINE ALS ANGIOTENSIN II ANTAGONISTEN
14 family members shown above			

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Field: Field of Search

Definition: The US Class codes that represent the fields (by US Class) that were examined prior to the granting of the patent. This data is developed/entered by the patent examiner.

Search/field scope: This data is not searchable; US only

Sample patent data:

1. 423/445 B,445 R,447.3,447.6,447.5,447.7,449.1,450,452
2. 428/402,34.1,408 427/216,249 423/447.3,445 B,445 R,DIG. 40

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Field: First Claim/Claims (CLAIMS)

Definition: This field contains the claims made in the patent about the subject matter and scope of the invention.

Search/field scope: Full text only; US, EP, PCT and DE only

Best way to search:

- On the **Advanced** form, under **Text Fields**, enter the word or phrase you want to search for in the **Claims** text entry box.
- On the **Boolean** form, select **Claims (US, EP, PCT)** from the drop-down box. Enter the word or phrase you want to search for in the text entry box.

Note: For EP and WO patents, this field can also be searched in German, French, or Spanish. To do this, search against **claimsde**, **claimsfr**, or **claimses**. See the [Query Language Help](#) page in the Delphion Help Center for more information.

Sample patent data:

1. What is claimed is:

1. An isothiazolecarboxylic acid derivatives of the formula [Figure] in which R represents the groups --OR1 or --SR2 in which
 - o R1 represents alkyl having 1 to 12 carbon atoms, where each of these radicals is mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen, cyano, nitro, hydroxyl, carboxyl, alkoxy having 1 to 6 carbon atoms, halogenoalkoxy having 1 to 6 carbon atoms and 1 to 5 halogen atoms, alkylthio having 1 to 6 carbon atoms, halogenoalkylthio having 1 to 6 carbon atoms and 1 to 5 halogen atoms, alkylamino having 1 to 6 carbon atoms, dialkylamino having 1 to 6 carbon atoms in each alkyl moiety, phenylalkoxy having 1 to 4 carbon

2. I claim:

1. A method of packaging a plurality of articles, the method comprising the steps of: (a) assembling a plurality of the articles into a bundle with the articles in contact with one another and the bundle having
 - o upper and lower annular edges,
 - o a plurality of corners at each of the edges,
 - o respective top and bottom surfaces bounded by the edges,
 - o a predetermined height between its top and bottom surfaces, and
 - o side faces;(b) drawing a planar strip of a substantially non-stretchable cardboard packaging material of a width less than the height of the bundle and of a length greater...

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Field: Foreign References (FOREIGNREFS)

Definition: Non-US patents and applications cited as references by this patent or application.

Search/field scope: Biblio and Full text; US Granted only

Best way to search: On the Advanced, Boolean, or Quick/Number form, in the Any Field text box.

Note: The searchable data for this field consists of the publication number (12-character format) and the date (YYYY MM DD). See [Searching Publication Number](#) in the Delphion Help Center for more information on the 12-character publication number format.

Sample patent data:

Publication	Date	IPC Code	Assignee	Title
EP0061805	1982-03-12	B65B 13/32	Endra B.V.	A device for applying a thermoplastic tape around an object or a stack of objects
EP0225665	1986-11-02	B65B 13/02	Endra B.V.	A device for applying a pretensioned strapping, wrapping or other binding element, such as a thread, a wire, a thin strip, e.g. tape, a thin sheet or flexible material around an object or a number, e.g. a row or a stack, of objects
EP0313721A2	1988-03-02	B65D 6/08	OSTMA Maschinenbau GmbH	Method for assembling a package around a product having straight edge stocked products with straight edges
EP0313721A3	1988-03-02	B65D 6/08	OSTMA Maschinenbau GmbH	Method for assembling a package around a product having straight edge stocked products with straight edges
DE8002686	1980-07-14	B65D 71/00	WAGENBACH, PETER, 6505 NIERSTEIN	VERPACKUNGSBODEN
DE3138439	1983-04-26	B65B 23/00	EUROPA CARTON AG, 2000 HAMBURG, DE	VERFAHREN ZUM MASCHINELLEN VERPACKEN EINER MEHRZAHL UNTEREINANDER GLEICHFOERMIGER UND -GROSSER GEGENSTAENDE AUS STOSS- UND KRATZEMPFINDLICHEM MATERIAL, INSBESONDERE PORZELLAN, STEINGUT OD. DGL.
DE3608826	1987-09-01	B65B 11/02	SCHENKE, HELMUT, 8569 HAPBURG, DE	STRETCHFOLIEN-WICKELVORRICHTUNG

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Field: Forward References

Definition: US patents or applications that cite this patent as a reference.

Search/field scope: This field is not searchable

Sample patent data:

Patent	Pub.Date	Inventor	Assignee	Title
US5338410	2002-01-15	Wasmund; Neil A.	Brown & Williamson Tobacco Corporation	Transparent frame carton enclosure
US6223499	2001-05-01	Wilkey; Andrew William		Sleeved packaging method
US5735104	1998-04-07	Odenthal; Heinz F.	Ostma Maschinenbau GmbH	Method of packaging groups of articles

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Field: Government Interest (GOVERNMENT)

Definition: A description of any interest the US government has in this patent.

Search/field scope: Full text only; US only

Best way to search:

- On the **Advanced** form, under **US Specific Fields**, in the Government Interest text entry box, enter the word or phrase you want to search for.
- On the **Boolean** form, select **Government Interest (US)** from the drop-down box. Enter the word or phrase you want to search for in the text entry box.

Sample patent data:

1. The development of the present invention was supported by the University of Maryland, Baltimore, Md. and by funding from the National Institutes of Health (Contract Nos. NIH CA-57350 and NIH CA-65754) and the United States Army (Contract No. DAMD 17-94-J4151). The United States Government has a non-exclusive, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention herein as provided for by the terms of the above mentioned contracts awarded by the United States Government.

2. This invention was made with United States government support awarded by National Science Foundation Grant #NSF Presidential Young Investigator Award #CHE 9157510 and National Institutes Of Health Grant No.: NIH First Award #GM 41825. The United States government has certain rights in this invention. This research was made with United States government support awarded by the National Institutes of Health (NIH) Grant number GM41825. The United States government may have rights with respect to this invention.

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Field: INPADO Legal Status

Definition: Describes any official updates to the status of the patent. Codes and their meanings are country-specific.

Search/field scope: This field is not searchable

Note 1: See all [Legal Status codes](#), by country, in the Delphion Help Center.

Note 2: Access the Family Legal Status report from the **Get Now: Family Legal Status Report** link shown to the right of the **Show legal status actions** link Integrated View. See the Delphion Help Center for details on the [Family Legal Status report](#).

Sample patent data:

Gazette date	Code	Description (remarks)	List all possible codes for US
2002-12-17	BB	Patent (previous pre-grant publication)	
2002-03-08	AE	Application data (patent) (US 2002 94703 2002-03-08)	
1999-11-24	AA	Priority (continuation) (US 1999 449177 1999-11-24)	

Note 3: Legal Status codes are color-coded to indicate the type of action:

- Red = negative action
- Green = positive action
- Black = neutral action

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Field: Inventor (IN)

Definition: The name of the person(s) registered on a patent or application as the inventor(s).

Search/field scope: Biblio and full text

Best way to search:

- On the **Boolean** form, select Inventor from the drop-down box. Enter an inventor name in the text entry box.
- On the **Advanced** form, under **Text Fields**, enter the inventor name in the **Inventor** text entry box.
- To search for multiple Inventors for a given patent, use multiple fields in the Boolean form or use the Advanced form with the following syntax **(jones <in> IN) AND (smith <in> IN)**. Do not use (jones AND smith) <in> IN. This applies to the Inventor field only.
- Inventor names can be entered *last first* or *first last*, with optional initials in each case. Do not use *last, first*.

Sample patent data:

1. **AKCAY, Kani**, Tubitak-Marmara Research Center, P.O. Box 21, 41470 Gebze-Kocaeli, Turkey
KOROGLU, Hansu, Julide, Tubitak-Marmara Research Center, P.O. Box 21, 41470 Gebze-Kocaeli, Turkey
YUZER, Hayrettin, Tubitak-Marmara Research Center, P.O. Box 21, 41470 Gebze-Kocaeli, Turkey
ISBILIR, Fehim, Tubitak-Marmara Research Center, P.O. Box 21, 41470 Gebze-Kocaeli, Turkey

2. **BUTERA, John, Anthony**, 6 Lawrence Spring Drive, Clarksburg, NJ 08510, United States of America
CAUFIELD, Craig, Eugene, Apartment 17-B, 344 Third Avenue, New York, NY 10010, United States of America
GRACEFFA, Russell, Francis, 2 Wingate Street, Hampton, NH 03842, United States of America
GREENFIELD, Alexander, 122 Harris Road, Princeton Junction, NJ 08550, United States of America
GUNDERSEN, Eric, Gould, 2914 Hunters Glen Drive, Plainsboro, NJ 08536, United States of America
HAVRAN, Lisa, Marie, 133 Birch Hollow Drive, Bordentown, NJ 08505, United States of America
KATZ, Alan, Howard, 8 Andrew Drive, Lawrenceville, NJ 08648, United States of America
LENNOX, Joseph, Richard, 2128 Arbor View Drive, Morrisville, NC 27560, United States of America
MAYER, Scott, Christian, 9 Eastbridge Drive, Robbinsville, NJ 08691, United States of America
McDEVITT, Robert, Emmett, 232 Haworth Place, Somerset, NJ 08873, United States of America

3. **Dutka, Ferenc, Dipl.-Chem.**
Komives, Tamás, Dipl.-Chem.
Fodor, Katalin, geb. Csorba, Dipl.-Chem.
Márton, Attila, Dipl.-Chem.
Csikós, Anikó, geb. Glück
Osztheimer, Eva
Henger, Károly, Dipl.-Chem.
Laborczy, Róbert, Dipl.-Chem.
Réti, Zsuzsanna, geb. Bosnyák, Dipl.-Chem.

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Field: IPC Code (IC)

Definition: The International Patent Classification code to which this patent is assigned. The classification system is administered by the World Intellectual Property Organization (WIPO).

Search/field scope: Biblio and full text

Best way to search:

- Use the browsing function on the Delphion [Browse Codes](#) page.

- On the **Advanced** form, under **Date & Code Fields**, in the IPC Code text entry box, enter the IPC Code you wish to search for in documents that have either IPC-7 or IPC-R codes. Optionally, expand the **Limit by** selector and check any/all boxes to confine your search to only **Advanced**, **Core** or **Subclass** level or to search only **Invention** codes. Selecting any of the Limit by options will confine your search to IPC-R codes.

- On the Boolean form, select **IPC Code — any** or **IPC Code — invention/main** from the drop-down box. Enter an IPC Code in the text entry box. Searching **IPC Code — any**

retrieves documents with both IPC-7 and IPC-R codes. Searching **IPC Code — invention/main** retrieves documents with either IPC-R Invention Codes or with IP-7 Main Codes.

Note 1: You can search for the subclass (e.g., G05B) or the complete IPC (e.g., G05B 19/42).

See [About IPC Reform](#) for a further explanation of IPC-R.

Sample patent data:

1. Advanced: **A01B 3/00**; A01D 101/00; **B25C 5/00**; **B25C 11/02**; **B25F 1/00**; **B25F 5/00**; **E04C 2/00**; **E04C 2/00**; **E21B 7/00**; **F25B 30/00**; **F28D 15/04**; **H01B 1/04**; **H01R 43/28**; **H01R 101/00**; **H04L 27/02**; **H04L 30/08**;
Core: **B25C 11/00**; more...
IPC-7: **F28D 15/00**;

Note 1: For IPC-R, Invention IPC codes are shown in **bold**. For IPC-7, the Main IPC code is shown in **bold** and first in the sequence.

Note 2: Advanced, Core and Subclass are IPC-R codes, and IPC-7 data is labeled separately. Core codes that are also shown in the Advanced section for a specific patent are available by clicking the "more..." link.

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Field: Kind (KI)

Definition: Code indicating the version or level of examination of a patent document. Kind codes and their meanings are country specific.

Search/field scope: Biblio and full text

Best way to search:

- On the **Advanced** form, under **Date & Code Fields**, select the Kind code you want to search for from the **Kind** drop-down box.
- On the **Boolean** form, select **Kind** from the drop-down box. Enter a Kind code in the text entry box.

Note: See all [Kind codes](#), by country, in the Delphion Help Center.

Sample patent data:

1. From an EP document:
B1 Patent (See also: EP0611368A1)
2. From a WIPO document:
A1 Publ.of the Int.Appl. with Int.search report
3. From Abstracts of Japan:
A2 Document Laid open to Public inspection

Note: Delphion adds links to *other versions* of this patent document in the Delphion database.

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Field: Maintenance Status Code (STATUS)

Definition: The USPTO status regarding fee maintenance for this patent.

Search/field scope: Biblio and full text; US only

Best way to search: On the **Advanced** form, under **US Specific Fields**, go to the **Maintenance Status Codes** drop-down box. Select the Maintenance Status Code you want to search for.

Sample patent data:

1. Reinstated (R1)
2. **Expired** (E1) Check current status
Certificate of Correction issued (CC)
3. Term Extended (XT)

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Field: National Class (NC)

Definition: The National Class code to which this patent is assigned. The National Class code is taken from the INPADOC record and is not standardized. There is no list of definitions available for these National Class codes.

Search/field scope: Biblio and full text

Best way to search: On the **Advanced** form, specify INPADOC and the country, then using query language, enter *nnnn <IN> NC* in the Any Field text box.

Note 1: National Class codes are *not* part of Delphion's Browse Codes search function.

Note 2: National Class codes were only assigned to German patents between 1968 and 1974.

Sample patent data from an Austrian patent: 73,009

Sample patent data from a Brazilian patent: 10-2-11

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Field: Other Abstract Info (OTHERABSTRACTS)

Definition: This field contains a list of the subject/industry abstract articles that reference this patent.

Search/field scope: Biblio only; INPADOC only

Best way to search:

- On the **Advanced** form, under **Date & Code Fields**, in the **Other Abstracts** text box, enter the abstract reference you wish to search for.
- On the **Boolean** form, select **Other Abstract** from the drop-down box. Enter an abstract reference to search for in the text entry box.

Note 1: This data comes from the INPADOC record; you must search on INPADOC only for valid search results.

Note 2: CHEMABS and CAN*nnn* entries are both abstracts from the Chemical Abstract database from the American Chemical Society. DERABS are abstracts from the Derwent collection. JAPABS are abstracts from the JAPIO collection.

Note 3: If the DERABS number is in a standardized format, it will be linked to the corresponding Derwent record.

Sample patent data:

1. CHEMABS 110(07)055994X DERABS C88-237339 JAPABS 120365C000167
2. DERABS G1987-022132 DERABS G1989-015819 DERABS G1989-248807 DERABS G1990-193187 DERABS G1991-156313 DERABS G1991-288262 DERABS G1992-166724 DERABS G1992-249710 DERABS G1993-196544 DERABS G1993-219856 DERABS G1993-328378 DERABS G1993-345300 DERABS G1993-360034 DERABS G1994-302501 DERABS G1994-310818 DERABS G1994-341304 DERABS G1996-454726 DERABS G1997-549253 DERABS G1998-456559 DERABS G1998-542125 DERABS G1998-594326 DERABS G1999-301542 DERABS G1999-384913 DERABS G1999-632663 DERABS G2000-136524 DERABS G2000-223498 DERABS G2001-190542 DERABS G2001-243181

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The IPC Reform
now in effect

Learn how it impacts
your research >>



Field: Other References (OTHERREFS)

Definition: Non-patent prior art that this patent references. The prior art references in this field may contain links: "*n* patents reference this" links display a Result Set of other patents that also reference this article; "Article info" links go to the ISI eSource subscription website for article retrieval; "IBM Technical Disclosure Bulletin" links go to the IBM TDB article on Delphion.

Search/field scope: Biblio and full text; US Granted only

Best way to search:

- On the **Advanced** form, under **US Specific Fields**, in the **Other References** text entry box, enter the words or phrases you want to search for.
- On the **Boolean** form, select **Other References (US)** from the drop-down box. Enter the words or phrases you want to search for in the text entry box.

Note: Data for this field can be (but is not limited to) author names (e.g., Smith), subjects (e.g., glucose tolerance), and publications (e.g., JAMA).

Sample patent data:

1. Groom et al. ("Electrical communication between a water-soluble 1,1'-dimethylferrocene-2-hydroxypropyl-b-cyclodextrin complex and glucose oxidase; biosensor applications", Biosensors & Bioelectronics 9 (1994) 305-313.* (9 pages) **4 patents reference this [Article info]**
2. Alcock, S. J. et al., "Continuous Analyte Monitoring to Aid Clinical Practice," IEEE Engineering in Medicine and Biology, 319-325 (1994). (7 pages) **11 patents reference this [Article info]**

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Field: Parent Case (PARENTCASES)

Definition: Information about prior applications that may be related to this patent.

Search/field scope: Biblio and full text; US Granted and US Apps only

Best way to search: On the **Advanced**, **Boolean**, or **Quick/Number** form, in the **Any Field**

text box.

Sample patent data:

1. This application claims the benefit of U.S. Provisional Application No. 60/126,432, which was converted from U.S. patent application Ser. No. 09/198,984, filed Nov. 24, 1998, pursuant to a petition filed under 37 C.F.R. 1.53(c)(2)(i).
2. This application is a divisional of U.S. application Ser. No. 07/978,634, filed Nov. 19, 1992 (refiled as continuation application Ser. No. 08/466,878, filed Jun. 6, 1995), now abandoned which is a divisional application of U.S. Ser. No. 07/593,319, filed Oct. 1, 1990, now U.S. Pat. No. 5,165,909, issued Nov. 24, 1992, which is a continuation of U.S. application Ser. No. 06/871,676, filed Jun. 6, 1986, now abandoned, which is a continuation-in-part of U.S. Ser. No. 678,701, filed Dec. 6, 1984, now U.S. Pat. No. 4,663,230 the contents of which are...

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Field: PCT Number

Definition: The unique number assigned to this patent when it was filed with the WIPO under the Patent Cooperation Treaty (PCT). This field also shows the WO publication number, which is linked to the corresponding WO document.

Search/field scope: Full text only; WO only

Best way to search: This data is not searchable in the US collection. However, it can be searched in the PCT full-text collection using **Any Field** to search for the PCT number. You can also use the **Publication Number** field to search for the WO publication number.

Sample patent data:

1. **PCT/AT96/00174 WO9713054**

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Field: PCT Pub./Filed Dates

Definition: The date this patent was published by the Patent Cooperation Treaty (PCT)/WIPO and the date this patent was first filed with the PCT/WIPO.

The Publication date is shown in bold followed by the filing date.

Search/field scope: Full text only; WO only

Best way to search: On the **Advanced**, **Boolean**, or **Quick/Number** form, in the **Any Field** text box.

Sample patent data:

1. **1997-04-10** / 1996-09-27
2. **1997-05-01** / 1996-10-16

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Field: Primary/Assistant Examiners (EXAMINER)

Definition: The primary and assistant patent examiners who examined this patent.

Search/field scope: Biblio and full text; US granted only

Best way to search:

- On the **Advanced** form, under **US Specific Fields**, enter a patent examiner's name in the text entry box.
- On the **Boolean** form, select **Examiner (US)** in the drop-down box. Enter a patent examiner's name in the text entry box.

Sample patent data:

1. **Smith; Al Lawrence;** Smith; James G.
2. **Jean Pierre; Peguy;**

Note: The Primary Examiner will be shown **bold** all others are Assistant Examiners.

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Field: Priority Country (CP)

Definition: The country in which the priority application was filed.

Note: The Priority Country displays as the first two characters (the country code) of the Priority Number.

Search/field scope: Biblio and full text

Best way to search:

- On the **Advanced** form, under **Date & Code Fields**, enter the country code you want to search for in the **Priority Country** text box.
- On the **Boolean** form, select **Priority Country (US)** from the drop-down box. Enter the country code you want to search for in the text entry box.

Sample patent data:

1. 1997-11-04 **KR1997000057935**
2. 1998-07-15 **EP1998000830434**

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Field: Priority Date (DP)

Definition: The date a patent application is first filed, important in establishing novelty of an invention.

Note: The Priority Date displays next to the Priority Number.

Search/field scope: Biblio and full text

Best way to search: On the **Advanced** form, under **Date & Code Fields**, select the date range you want to search in the **Priority Date** range selector drop-down boxes.

Sample patent data:

1.	1979-07-13	DE1979002928352
	1979-12-07	DE1979002949259
	1980-04-30	DE1980003016651
	1980-04-30	DE1980003016650

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Field: Priority Number (PR)

Definition: A number assigned to a patent application when it is first filed, important in establishing novelty of an invention.

Search/field scope: Biblio and full text

Best way to search:

- On the **Advanced** form, under **Date & Code Fields**, enter the Priority Number you want to search for in the **Priority Number** text box.
- On the **Boolean** form, select **Priority Number** from the drop-down box. Enter a Priority Number in the text entry box.

Sample patent data:

1.	1979-07-13	DE1979002928352
	1979-12-07	DE1979002949259
	1980-04-30	DE1980003016651
	1980-04-30	DE1980003016650

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Field: Publication Number (PN and UP)

Definition: The unique number assigned to this patent publication.

Note: PN searches for the Publication Number with the Country and Kind codes, UP searches for the Publication Number digits only.

Search/field scope: Biblio and full text

Best way to search: See [Searching by Publication Number](#) in the Delphion Help Center.

Sample patent data:

1. WO0177021A1
2. JP5007991A2
3. EP0611368A1

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Field: Published / Filed (PD / AD)

Definition: The date a patent or application was officially published and the date the patent or application was filed.

The *Published Date* is the equivalent of the granted or issued date. The *Filed Date* is the date the completed materials were submitted to the issuing authority, and is sometimes also referred to as the "application date."

Search/field scope: Biblio and full text

Best way to search:

- To search for Published Date, use the date range function in the collection selection area on the **Advanced** or **Boolean** search form.
- To search for **Filed Date**, use the Advanced search form. Under **Date & Code Fields**, use the date range function in the **Filed Date** field to indicate the date you want to search for.

Note: Not all collections show a Published Date, some only show a Filed Date.

Sample patent data: 2001-07-10 / 1999-11-22

Note: The Published Date will be shown **bold** and first in the sequence.

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Field: Related Applications (RELATED)

Definition: Information about prior applications related to this patent.

Search/field scope: Biblio and full text; US only

Best way to search:

- On the **Advanced** form, under **Text Fields**, enter an application number, a patent number, or a filed date (YYYY MM DD) in the **Related Applications** text entry box.
- On the **Boolean** form, select **Related Applications** from the drop-down box. Enter an application number, a patent number, or a filed date (YYYY MM DD) in the text entry box.

Sample patent data:

Application Number	Filed	Patent	Issued	Title
US1986000950145	1986-04-10	US4717720	1988-01-05	Benzonaphthalene derivatives and compositions
US1987000120958	1987-11-16	US4940696	1990-07-10	Benzonaphthalene derivatives and their use in therapeutic and cosmetic compositions

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Field: Representative Image

Definition: An image representative of the images shown in the patent document. This field displays for some collections (e.g., Abstracts of Japan) that do not contain full patent documents.

Search/field scope: This field is not searchable.

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Field: Title (TI)

Definition: The title shown on the patent document.

Search/field scope: Biblio and full text

Best way to search:

- On the **Advanced** form, under **Text Fields**, in the **Title** text box, enter the word or phrase you want to search for.
- On the **Boolean** form, select **Title** from the drop-down box. In the text entry box, enter the word or phrase you want to search for.

Note: For EP and WO patents, this field can also be searched in German, French, or Spanish. To do this, search against **titlede**, **titlefr**, or **titlees**. See the [Query Language Help](#) page in the Delphion Help Center for more information.

Sample patent data:

1. METHOD FOR THE MULTIPLICATION AND CULTURE OF BAMBOO-LIKE AND LIGNOUS SPECIES, HYBRIDS THEREOF AND MUTANTS THEREOF OF THE BOTANICAL BEGONIA GENUS
2. Begonia plant named "Mandy Franje"
3. PROCEDE DE MULTIPLICATION ET DE CULTURE DES ESPECES BAMBUSIFORMES ET LIGNEUSES, DE LEURS HYBRIDES ET DE LEURS MUTANTS DE GENRE BOTANIQUE BEGONIA

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Field: US Class (NC and CNC)

Definition: The US Patent Classification code to which this patent is assigned. The classification system is administered by the US Patent & Trademark Office (USPTO).

The USPTO provides updated information about a patent's classification as classes expand and change. The *original class* is the class that was assigned when a patent was originally published. The *current class* is the class to which a patent is now assigned.

Search/field scope: Biblio and full text; US only

Best way to search:

- Use the browsing function on the Delphion [Browse Codes](#) page.
- On the **Advanced** form, under **US Specific Fields**, see the **US Class** fields. In the drop-down box, select to choose to search by **Original or current** class or **Current only**. Enter the US Class code you want to search for in the text entry box.
- On the **Boolean** form, select **US Class - Original or current class** or **US Class - Current only** from the drop-down box. Enter the US Class code you want to search for in

the text entry box.

Note: NC is the National Class field. By limiting your search to the US collection, searching the NC field will give you only the matching US Class entries.

Sample patent data:

1. **Current: 318/580**; 056/010.2F; 180/168;
Original: 318/580; 180/168; 056/010..2F;
2. **Current: 187/385**; 187/392; 706/910;
Original: 187/125; 187/128;
3. **Current: 047/058.1R**; 047/DIG.006;
Original: 047/058; 800/200; 800/DIG.22; 800/DIG.67; 047/DIG.6;

Note: The main US Class for a patent will be **bolded** and shown first in the sequence.

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Field: US References (USREFS)

Definition: US patents and applications cited as references by this patent or application.

Search/field scope: Biblio and full text

Best way to search:

- On the **Advanced** form, under **US Specific Fields**, in the **US References** text box, enter the US patent or application number you want to search for.
- On the **Boolean** form, select US References from the drop-down box. In the text entry box, enter the US patent or application number you want to search for.

Sample patent data:

Go to Result Set: [All U.S. references](#) | [Forward references \(3\)](#) | [Backward references \(7\)](#)

Patent	Pub.Date	Inventor	Assignee	Title
US2043419*	1936-06	Robinson		
US3187480*	1965-06	Feeney et al.		
US4534151	1985-08	Schneck et al.	A. Ahlstrom Osakeyhtiö	Method and apparatus for packaging paper rolls
US4546875	1985-10	Zweber	Zweber, Pauline C.	Coin wrapper
US4631900	1986-12	Mattei et al.	G.D. Societa per Azioni	Method for packing batches of products, packets or boxes in cartons divisible into several complete units
US4828110	1989-05	Lems	Illinois Tool Works Inc.	Unitized package
US4905451	1990-03	Jaconelli et al.	Newtec International	Strip having a longitudinal reinforcement, its production and its use in a packaging method, and a device for the production of such a strip
* some details unavailable				

Note: On a Delphion Integrated View (for a patent that has US References), there will be an **All US References** link. Click that link to display a Result Set showing all US patents that reference, or are referenced by, the original patent. At the top of that Result Set, there is a **Show collaterals** link. Click that **Show collaterals** link to display a Result Set that contains all the US patents that reference, or are referenced by, your original patent *plus* all backward references for each of the patents in that set.

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Field: §371 /102(e) Dates

Definition: The Section 371 date and 102(e) dates in accordance with title 35, United States Code. These references address the stages applications progress through once they are filed under title 35, United States Code as part of the PCT (Patent Cooperation Treaty).

Search/field scope: This data is not searchable.

Sample patent data: 1997-06-17 / 1997-06-17

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Summary of Field Names and Abbreviations for Searching

[A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#) | [N](#)
[O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#) | [S](#)

A	
Abstract	AB (German: ABSTRACTDE, French: ABSTRACTFR, Spanish: ABSTRACTES)
Application Number	AN
Assignee	PA
Attorney, Agent, or Firm	AGENT

B	
Background / Summary	BACKGROUND

C	
Continuity Data	CONTINUITY

D	
Derwent Title	DWT
Description	DESCRIPTION (German: DESCRIPTIONDE, French: DESCRIPTIONFR, Spanish: DESCRIPTIONES)
Designated Country	DS
Drawing Descriptions	<i>field not separately searchable</i>

E	
ECLA Code	ECLAClass

F	
Family	<i>field not separately searchable</i>
Field of Search	<i>field not separately searchable</i>
First Claim/Claims	CLAIMS (German: CLAIMSDE, French: CLAIMSFR, Spanish: CLAIMSES)
Foreign References	FOREIGNREFS
Forward References	<i>field not separately searchable</i>

G	
Government Interest	GOVERNMENT

I	
INPADOC Legal Status	<i>field not separately searchable</i>
Inventor	IN
IPC Code (any IPC-7 or IPC-R)	IC
IPC-7 only	IPC
IPC-7 Main Class	MC
IPC-R only	IPCR
IPC-R Invention	ICINV
IPC-R Additional	ICADD
IPC-R Advanced	ICA
IPC-R Core	ICC
IPC-R Subclass only	ICS

K	
Kind	KI

M	
Maintenance Status Code	STATUS

N	
National Class	NC

O	
Other Abstract Info	OTHERABSTRACTS
Other References	OTHERREFS

P	
Parent Case	PARENTCASES
PCT Number	<i>field not separately searchable</i>
PCT Pub./Filed Dates	<i>field not separately searchable</i>
Primary/Assistant Examiners	EXAMINER
Priority Country	CP
Priority Date	DP
Priority Number	PR
Publication Country	PC
Publication Number (number plus Country and Kind codes)	PN
Publication Number (number only)	UP
Published / Filed	Published date is PD
Published / Filed	Filed date is AD

R	
Related Applications	RELATED
Representative Image	<i>field not separately searchable</i>

T	

Text	TEXT , searching this field searches all text fields including Title, Abstract, Claims, and Description (German: TEXTDE, French: TEXTFR, Spanish: TEXTES)
Title	TI (German: TITLED, French: TITLFR, Spanish: TITLES)

U	
US Class	Current only is CNC
US Class	Original or current is NC
US References	USREFS

§	
§371 /102(e) Dates	<i>fields not separately searchable</i>

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