

ΤΙ ΠΡΕΠΕΙ ΝΑ ΓΝΩΡΙΖΕΤΕ ΓΙΑ ΤΟ ESPACENET

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Δικτυακός κόμβος που δημιουργήθηκε από το Ευρωπαϊκό Γραφείο Διπλωμάτων Ευρεσιτεχνίας (ΕΓΔΕ, EPO), την Ευρωπαϊκή Επιτροπή και τις χώρες-μέλη του ΕΓΔΕ

- Απευθύνεται σε μη επαγγελματίες
- Έχει πάνω από 100 εκατομμύρια δημοσιευμένες αιτήσεις ΔΕ στην παγκόσμια (worldwide) βάση δεδομένων
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Μπορείτε να χρησιμοποιήσετε το Espacenet για έρευνα σε Διπλώματα Ευρεσιτεχνίας, για:

- να ενημερωθείτε για τη στάθμη της τεχνικής,
- να δείτε νέες τεχνολογίες,
- να βρείτε λύσεις σε τεχνικά προβλήματα,
- να ενημερωθείτε για τους ανταγωνιστές σας.



Τι περιλαμβάνει ένα δίπλωμα ευρεσιτεχνίας?

- μια πρώτη σελίδα (first page) που περιλαμβάνει "βιβλιογραφικές" πληροφορίες, όπως ο τίτλος της εφεύρεσης, το όνομα του εφευρέτη, τον αριθμό της αίτησης, την ημερομηνία κατάθεσης κλπ,
- μια λεπτομερή περιγραφή της εφεύρεσης, αναφέροντας τον τρόπο με τον οποίο παράγεται, την χρήση και τα πλεονεκτήματά της σε σύγκριση με την υπάρχουσα στάθμη της τεχνικής,
- αξιώσεις, που καθορίζουν το πλαίσιο της επιδιωκόμενης προστασίας,
- σχέδια,
- και, ενίοτε, έκθεση έρευνας που απαριθμεί τα έγγραφα που βρέθηκαν από το εκάστοτε Γραφείο Διπλωμάτων Ευρεσιτεχνίας, κατά την εξέταση της εφεύρεσης.



Πώς να ξεκινήσετε?

Η διεύθυνση URL που πρέπει να θυμάστε είναι:

www.epo.org/espacenet

που θα σας κατευθύνει αυτόματα στην παγκόσμια βάση δεδομένων <https://worldwide.espacenet.com>

του Ευρωπαϊκού Γραφείου Διπλωμάτων Ευρεσιτεχνίας (EPO).

Υπάρχει επίσης δυνατότητα πρόσβασης και μέσω των

Εθνικών Γραφείων Διπλωμάτων Ευρεσιτεχνίας (αλλαγή χώρας στη δεξιά πλευρά της οθόνης).

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Regular maintenance outages: scheduled between 05.00 and 05.15 hrs CET, Monday to Saturday. → [read more...](#)

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Espacenet bibliographic and character-coded full-text data coverage in [Latest full-text coverage](#), both of which are updated daily.

These pages show you at a glance the total number of publications for feature hyperlinks to Espacenet for the first and latest publications for publications containing data that has changed since the previous day.

Documents that support full-text searching in Espacenet are character the page [Latest full-text coverage](#).

Access to Global Dossier and links to the European Patent Register and national registers

The Espacenet interface displays Global Dossier icons and links to registers for certain authorities providing access to the Global Dossier and to register information, respectively. In order to avoid any ambiguity, access to Global Dossier and links to the registers have been separated. When you click on a Global Dossier icon, the behaviour is the same as in the European Patent Register. For links to a national register, the respective national (or EP) register window will open where links/pages are available. For authorities/documents where no link to a register is available, no link will be displayed. The Global Dossier link, when available, is displayed in the content area of the bibliographic view and in the INPADOC family view.

The Global Dossier service has now been extended to encompass further authorities participating in the WIPO CASE initiative. In addition to patent application dossiers, ("file wrappers") from the world's five largest patent offices, it now also includes public dossiers from the **Canadian Patent Office** as well as **PCT applications**. The bibliographic and full text-coverage tables have been improved to indicate changes in coverage. Result list sorting by publication date is now available.



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Smart search

Smart search:

The CPC is replacing EC

For people familiar with using the two input boxes, one to enter class and another to enter keywords, in order to retrieve potentially relevant results, the two boxes have been merged into a single one.

Some 250 000 CPC symbols will be merged into a single one.

The CPC browser interface will also be merged into a single one.

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- [If I change my settings on one computer, will they be transferred to another?](#)
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Settings

☒ **1. Enable query history**

Tick the box to enable the query history

Number of query history entries to save:

10 10 25 50

☐ **2. Enable classification popups**

The pop-up is available on search results list, bibliographic view and classification search

☒ **3. Enable highlighting**

Tick the box to activate the highlighting of search terms

Εάν θέλετε να βλέπετε το ιστορικό των αναζητήσεων που έχετε κάνει, πρέπει να ενεργοποιήσετε το “Enable query history”. Στο ιστορικό αναζήτησης μπορείτε να ανακτήσετε τις τελευταίες 10, 25 ή 50 αναζητήσεις.





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Smart search

Έχετε την δυνατότητα να επιλέξετε ανάμεσα σε 3 είδη αναζήτησης:

Smart Search (Έξυπνη αναζήτηση):

Εύκολος τρόπος αναζήτησης χωρίς απαραίτητη χρήση συγκεκριμένου πεδίου αναζήτησης.

two input boxes, one to enter classification symbols in order to view the corresponding part of the ECLA scheme, and one to enter free text in order to retrieve potentially relevant classification symbols through statistical analysis. In the new CPC browser, these two input boxes have

Advanced search (Σύνθετη αναζήτηση):

Μπορείτε να συνδυάσετε πολλούς όρους αναζήτησης πχ λέξεις στον τίτλο ή στην περίληψη, συγκεκριμένα διπλώματα ευρεσιτεχνίας, ταξινόμηση κλπ.

* toggle between an indented dot hierarchy (favoured by patent offices and experts) or a tree structure (favoured by the less experienced).

Classification Search (Αναζήτηση Ταξινόμησης):

Επιλογή εάν σας ενδιαφέρει η εύρεση διπλωμάτων ευρεσιτεχνίας σε ένα συγκεκριμένο τεχνικό πεδίο.

keywords (KWS).

The introduction of the CPC is a major change, so we will be doing all we can to help you through the transition period. There will be comprehensive CPC help files on Espacenet, and we will be organising numerous training courses. Keep an eye out for more details on courses and e-learning modules as they are announced. Just go to www.epo.org/pi-training.

The [events calendar on the EPO website](#) also provides information on courses about the CPC, including some offered by non-EPO companies and organisations

CPC website

Take a look at www.cpcinfo.org. Jointly managed by the EPO and the USPTO, it provides a useful overview of the Cooperative Patent Classification and will feature more and more information as entry into force (01.01.2013) approaches.





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Smart search
 Smart search:  Siemens EP 2007

Clear Search

The CPC is replacing ECLA in Espacenet.

For people familiar with using the ECLA search capability in Espacenet, the CPC browser will be easy to use. In the old browser, there were two input boxes, one to enter classification symbols in order to view the corresponding part of the ECLA scheme, and one to enter free text in order to retrieve potentially relevant classification symbols through statistical analysis. In the new CPC browser, these two input boxes have been merged into a single one.

Some 250 000 CPC symbols will replace and augment the 160 000 former ECLA symbols.

The CPC browser interface will also offer many more options, and it will show much more information about the individual classification symbols and the scheme as a whole.

Μπορείτε να εισάγετε συνολικά έως 20 όρους αναζήτησης (10 όροι για κάθε πεδίο/ ανώτατο όριο)

Στην έρευνα “SmartSearch” μπορείτε να εισάγετε μια απλή λέξη, πολλές λέξεις ή σύνθετες εντολές αναζήτησης. Μπορείτε να εισάγετε λέξεις που περιγράφουν την εφεύρεση, όνομα εφευρέτη/ εταιρείας, αριθμό διπλώματος ευρεσιτεχνίας κλπ.

SmartSearch:  Siemens EP 2007

Για πιο έμπειρους χρήστες, το SmartSearch δέχεται αναζητήσεις εντολών. Η γλώσσα που κατανοεί είναι η CQL (Contextual Query Language)*.

SmartSearch:  Siemens EP 2007

(*Στο τέλος της παρουσίασης παρατίθεται λίστα με κάποιες συνήθεις εντολές που μπορείτε να χρησιμοποιήσετε.)

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- How do I enter publication, application, priority and NPL reference numbers?
- How do I enter the names of persons and organisations?
- What is the difference between the IPC and the CPC?
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Enter your search terms - CTRL-ENTER expands

Enter keywords

Title:

Title or abstract:

Enter numbers with or without country code

Publication number:

WO2008014520

Application number:

DE201310112935

Priority number:

WO1995US15925

Enter one or more dates or date ranges

Publication date:

2014-12-31 or 20141231

Enter name of one or more persons/organisations

Applicant(s):

Institut Pasteur

Inventor(s):

Smith

Enter one or more classification symbols

CPC

F03G7/10

IPC

H03M1/12

Clear

Search

Επιλέξτε σε ποια βάση θέλετε να κάνετε αναζήτηση

Worldwide - collection of published applications from 100+ countries

Worldwide EN - collection of published applications in English

Worldwide FR - collection des demandes publiées en Français

Worldwide DE - Sammlung veröffentlichter Anmeldungen auf Deutsch



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Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords in English
Title: ⓘ plastic and bicycle

Title or abstract: ⓘ WIRELESS

Enter numbers with or without country code
Publication number: ⓘ WO2008014520

Application number: ⓘ DE19971031696

Priority number: ⓘ WO1995US15925

Enter one or more dates or date ranges
Publication date: ⓘ 2010

Enter name of one or more persons/organisations
Applicant(s): ⓘ Institut Pasteur
Inventor(s): ⓘ Smith

Enter one or more classification symbols
Cooperative Patent Classification (CPC): ⓘ
International Patent Classification (IPC): ⓘ H03M1/12

Clear Search

Μπορείτε να εισάγετε σε κάθε πεδίο μέχρι 10 όρους με κενό ανάμεσά τους

Μπορείτε να κάνετε συνδυασμό πεδίων

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Symbol	Classification and description		
☐ A	HUMAN NECESSITIES		
☐ B	PERFORMING OPERATIONS; TRANSPORTING		
☐ C	CHEMISTRY; METALLURGY		
☐ D	TEXTILES; PAPER		
☐ E	FIXED CONSTRUCTIONS		
☐ F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING		
☐ G	PHYSICS		
☐ H	ELECTRICITY		
☐ Y	GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACS] AND DIGESTS		

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nothing selected

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Ο συνολικός αριθμός των διπλωμάτων ευρεσιτεχνίας είναι τόσο μεγάλος ώστε ένα σύστημα ταξινόμησης είναι απαραίτητο για την αναζήτηση.

Ο οργανισμός που είναι αρμόδιος για την "Διεθνή Ταξινόμηση Διπλωμάτων Ευρεσιτεχνίας" (IPC), είναι ο Παγκόσμιος Οργανισμός Διανοητικής Ιδιοκτησίας (WIPO).

Η IPC χρησιμοποιεί ένα συνδυασμό γραμμάτων και αριθμών για να κατηγοριοποιήσει με ακρίβεια την τεχνολογία που περιγράφεται σε ένα δίπλωμα ευρεσιτεχνίας. Κάθε δίπλωμα ευρεσιτεχνίας που δημοσιεύεται έχει τουλάχιστον μια ταξινόμηση κατά IPC.



 ΟΡΓΑΝΙΣΜΟΣ ΒΙΟΜΗΧΑΝΙΚΗΣ ΙΔΙΟΚΤΗΣΙΑΣ

Εισάγετε λέξη ή λέξεις κλειδιά για να βρείτε την σχετική ταξινόμηση

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A »

Symbol	Classification and description
▼ ★★☆☆	☐ A23G 1/00 Cocoa; Cocoa products, e.g. chocolate; Substitutes therefor (kitchen equipment for cocoa preparation A47J , e.g. apparatus for making beverages A47J 31/00)
▼ ★★☆☆	☐ A23V 2002/00 Food compositions, function of food ingredients or processes for food or foodstuffs
▼ ★★☆☆	☐ A23D 9/00 Other edible oils or fats, e.g. shortenings, cooking oils
▼ ★★☆☆	☐ A23G 3/00 Sweetmeats; Confectionery; Marzipan; Coated or filled products (chewing gum A23G 4/00)
▼ ★★☆☆	☐ A23G 2200/00 containing organic compounds, e.g. synthetic flavouring agents
▼ ★★☆☆	☐ A23L 33/00 Modifying nutritive qualities of foods; Dietetic products; Preparation or treatment thereof
▼ ★★☆☆	☐ A21D 13/00 Finished or partly finished bakery products
▼ ★★☆☆	☐ A23G 9/00 Frozen sweets, e.g. ice confectionery, ice-cream; Mixtures therefor
▼ ★★☆☆	☐ A23D 7/00 Edible oil or fat compositions containing an aqueous phase, e.g. margarines
▼ ★★☆☆	☐ A23C 9/00 Milk preparations; Milk powder or milk powder preparations (A23C 21/06 takes precedence; preservation A23C 3/00 ; chocolate milk A23G 1/00 ; ice-cream or mixtures for preparation of ice-cream A23G 9/00 ; puddings or dry powder puddings A23L 9/10)

Η ταξινόμηση Cooperative Patent Classification (CPC) , σε ισχύ από 01/01/2013 που αναπτύχθηκε μεταξύ του Ευρωπαϊκού και Αμερικάνικου Γραφείου, έχει την ίδια φιλοσοφία με την ταξινόμηση IPC αλλά είναι πιο διευρυμένη.



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« A22C29/00 A23B »

Symbol	Classification and description	
☐ A	HUMAN NECESSITIES	
FOODSTUFFS; TOBACCO		
☐ A23	FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES	
☐ A23B	PRESERVING, e.g. BY CANNING, MEAT, FISH, EGGS, FRUIT, VEGETABLES, EDIBLE SEEDS; CHEMICAL RIPENING OF FRUIT OR VEGETABLES; THE PRESERVED, RIPENED, OR CANNED PRODUCTS (preserving foodstuffs in general A23L 3/00 ; preserving in general A61L ; applying food preservatives in packages B65D 81/28)	
☐ A23C	DAIRY PRODUCTS, e.g. MILK, BUTTER, CHEESE; MILK OR CHEESE SUBSTITUTES; MAKING THEREOF (obtaining protein compositions for foodstuffs, {e.g. from milk} , A23J 1/00 ; preparation of peptides, e.g. of proteins, in general C07K 1/00)	
☐ A23D	EDIBLE OILS OF FATS, e.g. MARGARINES, SHORTENINGS, COOKING OILS (animal feeding-stuffs A23K 10/00-A23K 20/30 , A23K 30/00-A23K 50/90 ; foods or foodstuffs containing edible oils or fats A21D , A23C , A23G , A23L ; obtaining, refining, preserving C11B , C11C ; hydrogenation C11C 3/12)	
☐ A23F	COFFEE; TEA; THEIR SUBSTITUTES; MANUFACTURE, PREPARATION, OR INFUSION THEREOF (coffee or tea pots A47G 19/14 ; tea infusers A47G 19/16 ; apparatus for making beverages, e.g. coffee or tea, A47J 31/00 ; coffee mills A47J 42/00)	
☐ A23G	COCOA; COCOA PRODUCTS, e.g. CHOCOLATE; SUBSTITUTES FOR COCOA OR COCOA PRODUCTS; CONFECTIONERY; CHEWING GUM; ICE-CREAM; PREPARATION THEREOF	
☐ A23J	PROTEIN COMPOSITIONS FOR FOODSTUFFS; WORKING-UP PROTEINS FOR FOODSTUFFS; PHOSPHATIDE COMPOSITIONS FOR FOODSTUFFS (fodder A23K ; protein	



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☐ A	HUMAN NECESSITIES	S
FOODSTUFFS; TOBACCO		
☐ A23	FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES	i
☐ A23B	PRESERVING, e.g. BY CANNING, MEAT, FISH, EGGS, FRUIT, VEGETABLES, EDIBLE SEEDS; CHEMICAL RIPENING OF FRUIT OR VEGETABLES; THE PRESERVED, RIPENED, OR CANNED PRODUCTS (preserving foodstuffs in general A23L 3/00 ; preserving in general A61L ; applying food preservatives in packages B65D 81/28)	S D
☒ A23C	DAIRY PRODUCTS, e.g. MILK, BUTTER, CHEESE; MILK OR CHEESE SUBSTITUTES; MAKING THEREOF (obtaining protein compositions for foodstuffs, {e.g. from milk} , A23J 1/00 ; preparation of peptides, e.g. of proteins, in general C07K 1/00)	S D i
☐ A23D	EDIBLE OILS OF FATS, e.g. MARGARINES, SHORTENINGS, COOKING OILS (animal feeding-stuffs A23K 10/00-A23K 20/30 , A23K 30/00-A23K 50/90 ; foods or foodstuffs containing edible oils or fats A21D , A23C , A23G , A23L ; obtaining, refining, preserving C11B , C11C ; hydrogenation C11C 3/12)	S D
☐ A23F	COFFEE; TEA; THEIR SUBSTITUTES; MANUFACTURE, PREPARATION, OR INFUSION THEREOF (coffee or tea pots A47G 19/14 ; tea infusers A47G 19/16 ; apparatus for making beverages, e.g. coffee or tea, A47J 31/00 ; coffee mills A47J 42/00)	S D
☐ A23G	COCOA; COCOA PRODUCTS, e.g. CHOCOLATE; SUBSTITUTES FOR COCOA OR COCOA	S D i
☐ A23J		

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☐ 1. **SOLES FOR SPORTS SHOES**

★ Inventor: REINHARDT STUART DAVID [DE] WOOD DARREN MICHAEL [US] (+3)	Applicant: ADIDAS AG [DE]	CPC: A43B1/0027 A43B13/023 A43B13/04 (+26)	IPC: A43B1/00 A43B13/02 A43B13/04 (+20)	Publication info: US2018035755 (A1) 2018-02-08	Priority date: 2012-04-13
---	--	---	--	---	-------------------------------------

☐ 2. **METHOD FOR THE MANUFACTURE OF A **SHOE SOLE**, **SHOE SOLE**, AND **SHOE** WITH PRE-MANUFACTURED TPU ARTICLE**

★ Inventor: HOLMES CHRISTOPHER EDWARD [DE] KERLING SABRINA [DE] (+1)	Applicant: ADIDAS AG [DE]	CPC: A43B13/04 A43B13/12 B29B11/08 (+4)	IPC: A43B13/04 B29B11/08 B29D35/14 (+2)	Publication info: US2017341326 (A1) 2017-11-30	Priority date: 2016-05-24
--	--	--	--	---	-------------------------------------

☐ 3. **METHOD AND APPARATUS FOR AUTOMATICALLY MANUFACTURING **SHOE SOLES****

★ Inventor: LE TRU HUU MINH [DE] LANDECK CARSTEN [DE] (+6)	Applicant: ADIDAS AG [DE]	CPC: A43B13/00 A43B13/04 A43D111/006 (+6)	IPC: A43B13/04 A43D111/00 A43D117/00	Publication info: US2017341327 (A1) 2017-11-30	Priority date: 2016-05-24
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SHOE SOLE in the title or abstract AND ADIDAS as the applicant

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☐	1. Sliding element and shoe sole
★	Publication info: EP2316293 (A1) 2011-05-04
☐	2. Sliding element and shoe sole
★	Publication info: EP1958527 (A1) 2008-08-20
☐	3. Sliding element and shoe sole
★	Publication info: EP1782707 (A1) 2007-05-09
☐	4. Sliding element and shoe sole
★	Publication info: EP1652441 (A1) 2006-05-03

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SHOES FOR SPORTS SHOES

★	Inventor: REINHARDT STUART DAVID [DE] WOOD DARREN MICHAEL [US] (+3)	Applicant: ADIDAS AG [DE]	CPC: A43B13/023 A43B13/04 (+26)	IPC: A43B13/02 A43B13/04 (+20)	Publication info: US2017341326 (A1) 2018-02-08	Priority date: 2016-05-24
---	--	------------------------------	--	---	--	------------------------------

☐ 2. METHOD FOR THE MANUFACTURE OF A SHOE, SOLE, SHOE, SOLE, AND SHOE WITH PRE-MANUFACTURED TPU ARTICLE

★	Inventor: HOLMES CHRISTOPHER EDWARD [DE] KERLING SABRINA [DE] (+1)	Applicant: ADIDAS AG [DE]	CPC: A43B13/04 A43B13/12 B29D11/08 (+4)	IPC: A43B13/04 B29B11/08 B29D35/14 (+2)	Publication info: US2017341326 (A1) 2017-11-30	Priority date: 2016-05-24
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☐ 3. METHOD AND APPARATUS FOR AUTOMATICALLY MANUFACTURING SHOE SOLES

★	Inventor: LE TRU HUU MINH [DE] LANDECK CARSTEN [DE] (+6)	Applicant: ADIDAS AG [DE]	CPC: A43B13/00 A43B13/04 A43D111/006 (+6)	IPC: A43B13/04 A43D111/00 A43D117/00	Publication info: US2017341327 (A1) 2017-11-30	Priority date: 2016-05-24
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☐ 1. Sliding element and shoe sole	★ Inventor: HILL JAN LUCAS TIMOTHY DAVID (+1)	Applicant: ADIDAS INT MARKETING BV []	EC: IPC: A43B13/12 A43B13/14 A43B13/18 (+3)	Publication info: EP2316293 (A1) 2011-05-04	Priority date: 2002-09-24
☐ 2. Sliding element and shoe sole	★ Inventor: HILL JAN LUCAS TIMOTHY DAVID (+1)	Applicant: ADIDAS INT MARKETING BV []	EC: IPC: A43B13/12 A43B13/14 A43B13/18 (+3)	Publication info: EP1958527 (A1) 2008-08-20	Priority date: 2002-09-24
				Publication info: EP1782707 (A1) 2007-05-09	Priority date: 2002-09-24

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Bibliographic data: EP2316293 (A1) — 2011-05-04

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Sliding element and shoe sole

Page bookmark EP2316293 (A1) - Sliding element and shoe sole

Inventor(s): MANZ GERD [DE]; HILL JAN [DE]; LUCAS TIMOTHY DAVID [DE] +

Applicant(s): ADIDAS INT MARKE

Classification: - international: A43B 23/00
- cooperative: A43B 23/00
A43B 23/00

Application number: EP 20100012973 201000024 Global Dossier

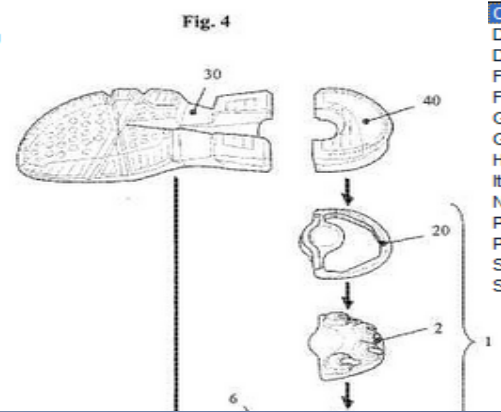
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Also published as: EP2316293 (B1) → AT315343 (T)

Abstract of EP2316293 (A1)

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The present invention relates to a sliding element (1) for a shoe sole, in particular of a sports shoe, with an upper sliding surface (3) and a lower sliding surface (2), wherein the lower sliding surface (2) is arranged below the upper sliding surface such as to be slideable in at least two directions. The upper sliding surface is provided as the lower side of an upper heel cup (3) and the lower sliding surface is provided as the upper side of a lower heel cup (2). The upper and the lower heel cups are preferably substantially shaped like the section of a surface of a sphere.



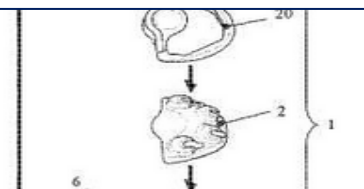
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Original document: EP2316293 (A1) — 2011-05-04

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Sliding element and shoe sole

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(19)  **EP 2 316 293 A1**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication: 06.05.2011 Bulletin 2011/18 (51) Int. Cl.: A43B 13/16 (2006.01) A43B 5/00 (2006.01)
A43B 21/26 (2006.01) A43B 13/14 (2006.01)

(21) Application number: 10012973.3 (22) Date of filing: 24.09.2002

(84) Designated Contracting States: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

(30) Priority: 24.09.2002 DE 10244633

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 09010264.3 / 1 958 527
07004016.7 / 1 782 707
05000390.3 / 1 652 441
03021607.1 / 1 402 796

(71) Applicant: adidas International Marketing B.V.
1062 KR Amsterdam (NL)

(72) Inventors: • Manz, Ger
91097 Ob
• Hirs, Jan
91091 Gre
• Lucas, Th
91074 Hee

(74) Representative: Berdahl
Gallagher
81679 M

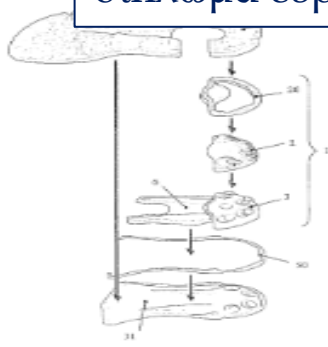
Remarks: This application is a divisional application under INID

(54) **Sliding element and shoe sole**

(57) The present invention relates to a sliding element (1) for a shoe sole, in particular of a sports shoe, with an upper sliding surface (3) and a lower sliding surface (2), wherein the lower sliding surface (2) is arranged below the upper sliding surface such as to be slidable in at least two directions. The upper sliding surface is provided as the lower side of an upper heel cup (5) and the lower sliding surface is provided as the upper side of a lower heel cup (2). The upper and the lower heel cups are preferably substantially shaped like the section of a surface of a sphere.

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Sliding element and shoe sole

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(12) EUROPEAN PATENT APPLICATION

(43) Date of publication: 04.05.2011 Bulletin 2011/18

(21) Application number: 10012973.3

(22) Date of filing: 24.09.2003

(84) Designated Contracting States: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

(30) Priority: 24.09.2002 DE 10244433

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(71) Applicant: adidas International Marketing B.V. 1062 KR Amsterdam (NL)

(51) Int Cl: A43B 13/16 (2006.01) A43B 5/00 (2006.01) A43B 21/26 (2006.01) A43B 13/12 (2006.01) A43B 13/14 (2006.01)

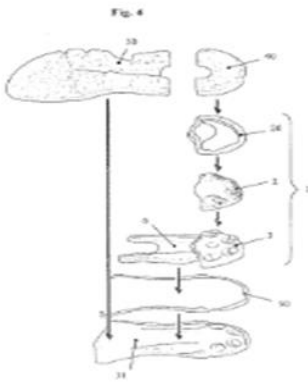
(72) Inventors: • Ranz, Gerd Ralf 91097 Oberreid • Hill, Jan 91091 Grosse • Luoss, Timothy 91074 Herzogen

(74) Representative: Bardehle Pagen Gaiselplatz 1 81679 München

Remarks: This application was filed on 01-10-2010 as a divisional application to the application mentioned under INID code 62.

(54) Sliding element and shoe sole

(57) The present invention relates to a sliding element (1) for a shoe sole, in particular of a sports shoe, with an upper sliding surface (3) and a lower sliding surface (2), wherein the lower sliding surface (2) is arranged below the upper sliding surface such as to be slideable in at least two directions. The upper sliding surface is provided as the lower side of an upper heel cup (3) and the lower sliding surface is provided as the upper side of a lower heel cup (2). The upper and the lower heel cups are preferably substantially shaped like the section of a surface of a sphere.



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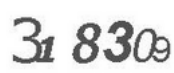
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Smart search field identifiers

Field identifier	Description	Example
in	Inventor	in= smith
pa	Applicant	pa=siemens
ti	Title	ti=mouse trap
ab	Abstract	ab=mouse trap
pr	Priority number	pr=ep20050104792
pn	Publication number	pn=ep1000000
ap	Application number	ap=jp19890234567
pd	Publication date	pd=20080107 or pd=“07/01/2008” or pd=07/01/2008
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ic	International classification	ic=A63B49/08
ia	Inventor or applicant	ia=Apple or ia=“Ries Klaus”
ta	Title and abstract	ta=laser printer
txt	Title, abstract, inventor and applicant	txt=microscope Zeiss
num	Application, publication and priority number	num=ep1000000



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SmartSearch operators

Operator	Description	Example
Boolean operators		
AND, OR, NOT	The default operator is AND. Left has precedence over right. No operator has precedence by default.	(ta=seat AND ta=belt) or (ta=seatbelt)
Truncation		
?	One or no wildcard characters.	telephone? (for telephone or telephones)
#	One wildcard character.	telephone# (for telephones)
*	Any number of wildcard characters.	play* (for play, plays, player, playback, etc)
Proximity operators		
prox/distance<x	Finds words within x words of each other.	mouse prox/distance<3 trap
prox/unit=sentence	Finds words within a sentence.	mouse prox/unit=sentence trap
prox/unit=paragraph	Finds words within a paragraph.	mouse prox/unit=paragraph trap
prox/ordered	Finds words in a given order.	ia=Apple prox/ordered ia=Corp The system will retrieve documents having “Apple Corp” but not “Corp Apple”.
Comparison operators		
=	Equal to.	pa=siemens
==	Exactly equal to (in the order shown).	ia==“Mason Henry”
all	Finds all terms (no particular order).	ti all “paint brush hair”
any	Finds any of the terms entered.	ti any “motor engine”
within	Within a date range.	pd within “2005 2006” or pd within “2005, 2006”
>=	Greater than or equal to, i.e. on or after a certain date.	pd >=2005 will retrieve documents published in 2005 or later.
<=	Less than or equal to, i.e. on or before a certain date.	pd <=2005 will retrieve documents published in 2005 or earlier.
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“ ”	Search on exact expression	“seat belt”

