



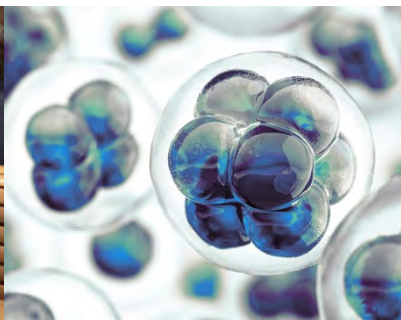
Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

Understanding Patent Families

Patent Families at the EPO



Sofie Leplae



54 Patent Knowledge



13 October 2020

Overview

Patent Families at the EPO

1. Some definitions
 2. Concepts at the EPO?
 3. Building patent families at the EPO
 4. Patent Families in ESPACEnet
 5. Divisional applications
 6. Continuation in part
- FAQs and References
- Conclusions and Questions

What is a “Patent family”?

The set of patents (or applications) filed in several countries which are related to each other by one or several common priority filings is generally known as a patent family.

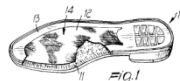
1. Definitions

What is a “Patent family”?

 Europäisches Patentamt European Patent Office Office européen des brevets		
Publication number: 0 619 959 A1		
EUROPEAN PATENT APPLICATION		
Application number: 94102573.6		Int. Cl. ⁷ A43B 13/14, A43B 7/12
Date of filing: 21.02.94		
Priority: 06.03.93 IT PD030061 Date of publication of application: 19.10.94 Bulletin 94/42	Applicant: POL SCARPE SPORTIVE S.r.l. Via Feltrina Sud 6/8 I-31030 Biadene di Montebelluna (Treviso) (IT) Inventor: Moretti Polegato, Mario Viale Antonini 8 I-31035 Crocetta del Montello (IT) Representative: Modiano, Guido, Dr.-Ing. et al Modiano & Associati S.r.l. Via Menavogli, 16 I-20123 Milano (IT)	

Waterproof transpiring sole for footgear.

Waterproof and transpiring sole (10) for footgear including a tread (11) made of leather or similar material which is at least partially covered, in an upward region, by a membrana (12) made of vapor-permeable and waterproof material. The tread is assembled, at least along its perimeter, together with at least one upper part (13) made of rubber or equivalent material which has a central opening (14) in the region affected by the membrana.



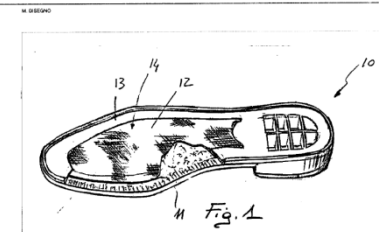
(18) 日本国特許庁 (J P)		(19) 公開特許公報 (A)		(11) 特許出願公開番号 特開平7-303502 (43) 公開日 平成7年(1995)11月21日	
(51) Int. Cl. ⁷ A 43 B	13/04 7/06 13/14	履物足持	片内透気構造	特	技術分野
特許平7-303502 平成6年(1994)3月5日 PD 93 A 000061 1994年3月5日 イタリア (IT)					
(71) 出願人 59126748 ポル スカルプ スポーツ エス プーモ エル POL SCARPE SPORTIVE SOCIETA A RESPONSABILITA LIMITATA イタリア 31030 ビアゴッ モンテベルナ (アロピンス オブ ビリ) ビア ファルトリナ スド 6 ノルネ (72) 代理人 青島市 三宅 正夫 (特1 特)					

(54) 透気性のある靴底用被覆材

【目的】 透気性の靴底用被覆材を備えるとともに、ゴム又は合成材料でできた靴底の不透気性を補正する。【構成】 透気性の靴底用被覆材を備えるとともに、ゴム又は合成材料でできた靴底の不透気性を補正する。【効果】 透気性の靴底用被覆材を備えるとともに、ゴム又は合成材料でできた靴底の不透気性を補正する。【効果】 透気性の靴底用被覆材を備えるとともに、ゴム又は合成材料でできた靴底の不透気性を補正する。



BREVETTO INVENTIONE CON CARATTERI PRINCIPALI, DESCRIZIONE E RIFERIMENTI		PROSPETTO A	
NUMERO BREVETTO	PD 93 A 000061	NUMERO INVENTIONE	06.03.1993
IL TITOLO SUOLA IMPERMEABILIZZATA E TRASPIRANTE PER CALZATURE			
IL RASSEGNO Il trovato si riferisce ad una suola impermeabilizzata e traspirante per calzature che comprende un battistrada in cuoio o materiale simile almeno parzialmente ricoperto superiormente da una membrana in materiale traspirante ed impermeabile. Il battistrada è assemblato almeno perimetralmente con almeno una parte superiore in gomma o materiale equivalente presentante, almeno nelle zone interessate dalla detta membrana, una o più forature passanti.			



EP 0 619 959 A1

1. Definitions

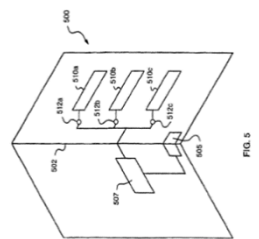
[1] 日本国特許庁 (JP)		[2] 特 許 公 報 (32)		[3] 特許番号	
				特許第3787128号	
[4] 発行日 平成18年6月21日 (2006.6.21)		[5] 発明日 平成18年3月31日 (2006.3.31)			
[6] Int. Cl.	G02F 1/167 (2006.01)	G02F 1/133 (2006.01)	G02F 1/133 (2006.01)	G02F 1/133 (2006.01)	G02F 1/133 (2006.01)
[7] 発明の名称 非放射型表示装置及びそのための駆動電圧の調整					
[8] 出願人	ソニー株式会社	[9] 発明者	佐藤 孝	[10] 代理人	佐藤 孝
[11] 出願日	平成18年1月17日 (1977.1.17)	[12] 公開日	平成18年6月21日 (2006.6.21)	[13] 優先権主張	特許第3787128号
[14] 公開日	平成18年6月21日 (2006.6.21)	[15] 優先権主張	特許第3787128号	[16] 優先権主張	特許第3787128号
[17] 優先権主張	特許第3787128号	[18] 優先権主張	特許第3787128号	[19] 優先権主張	特許第3787128号
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[62] 優先権主張	特許第3787128号	[63] 優先権主張	特許第3787128号	[64] 優先権主張	特許第3787128号
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[71] 優先権主張	特許第3787128号	[72] 優先権主張	特許第3787128号	[73] 優先権主張	特許第3787128号
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[83] 優先権主張	特許第3787128号	[84] 優先権主張	特許第3787128号	[85] 優先権主張	特許第3787128号
[86] 優先権主張	特許第3787128号	[87] 優先権主張	特許第3787128号	[88] 優先権主張	特許第3787128号
[89] 優先権主張	特許第3787128号	[90] 優先権主張	特許第3787128号	[91] 優先権主張	特許第3787128号
[92] 優先権主張	特許第3787128号	[93] 優先権主張	特許第3787128号	[94] 優先権主張	特許第3787128号
[95] 優先権主張	特許第3787128号	[96] 優先権主張	特許第3787128号	[97] 優先権主張	特許第3787128号
[98] 優先権主張	特許第3787128号	[99] 優先権主張	特許第3787128号	[100] 優先権主張	特許第3787128号

[19] 中华人民共和国国家知识产权局		[51] Int. Cl.	
		G02F 1/167	
		G02F 1/133	
[12] 发明专利申请公开说明书			
[21] 申请号 97180926.7			
[43] 公开日 2000年1月12日		[11] 公开号 CN 1241265A	
[22] 申请日 1997.10.17	[21] 申请号 97180926.7	[74] 专利代理机构 中国专利代理(香港)有限公司	
[30] 优先权	[32] 1996.10.25 [33] US 3108/738,260	代理人 邹光新 王 岳	
[86] 国际申请 PCT/US97/18643	1997.10.17		
[87] 国际公布 WO/98/19208	英 1998.5.7		
[85] 进入国家阶段日期 1999.6.22			
[71] 申请人 麻省理工学院			
地址 美国马萨诸塞州			
[72] 发明人 J·M·雅各森 B·科斯基			
权利要求书 3 页 说明书 9 页 附图页数 5 页			

[54] 发明名称 非发射显示器及其压电源

[57] 摘要

一种电致显示器件，具有基本上为二维排列的像素，每个像素中有电介质液体和粒子基浮游物等电致成分，显示物与电介质液体形成视觉对比并显示面电荷。一对电极，其中至少一个是视觉透明的，设置并覆盖在像素布局的另一面，和一个在两电极间产生电势差的装置，电势差使粒子向其中一个电极迁移。显示器可以由一个或多个压电元件供电，该压电元件也适合向其它类型的非发射型显示器供电。



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Europäisches Patentamt		European Patent Office		Office européen des brevets	
[19]				[11] EP 0 937 278 B1	
EUROPEAN PATENT SPECIFICATION					
[45] Date of publication and mention of the grant of the patent: 17.09.2003 Bulletin 2003/38		[51] Int. Cl. 7: G02F 1/167, G02F 1/133			
[21] Application number: 97910132.6		[86] International application number: PCT/US97/18643			
[22] Date of filing: 17.10.1997		[87] International publication number: WO 98/019208 (07.05.1998 Gazette 1998/18)			
[54] NONEMISSIVE DISPLAYS AND PIEZOELECTRIC POWER SUPPLIES THEREOF					
NICHTMITTIERENDE ANZEIGEN UND DEREN PIEZOELEKTRISCHE STROMVERSORGUNG					
AFFICHAGES NON EMISSIFS ET SOURCES D'ALIMENTATION PIEZO-ELECTRIQUES POUR CES DERNIERS					
[84] Designated Contracting States: CH DE FR GB LI		[74] Representative: Prutton, Roger MARKS & CLERK, Alpha Tower, Suffolk Street Queensway Birmingham B1 1TT (GB)			
[30] Priority: 25.10.1996 US 738260					
[43] Date of publication of application: 25.08.1999 Bulletin 1999/34					
[73] Proprietor: MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge, MA 02139 (US)					
[72] Inventors: JACOBSON, Joseph M. Cambridge, MA 02138 (US) COMISKEY, Barrett Cambridge, MA 02139 (US)					
		[56] References cited: EP-A- 0 622 721 GB-A- 1 314 906 US-A- 4 185 621 US-A- 4 919 521 US-A- 5 500 635			
		PATENT ABSTRACTS OF JAPAN vol. 13, no. 454 (P-944) & JP 01 177517 A (KINSEI), 13 July 1989, SANKUS, J. "Electrophoretic display cell," XEROX DISCLOSURE JOURNAL, vol. 4, no. 3, 1979, STAMFORD, CONN US, page 309 XP002052704			





is a “priority right”?

"Right of priority" is a time-limited right triggered by the first filing of an application for a patent.







is a “priority right”?

To make use of the right of priority the applicant must “claim the priority of the first application when filing a subsequent application.

filing at the EPO

claiming first filing in IT

 Europäisches Patentamt European Patent Office Office européen des brevets	 Publication number: 0 619 959 A1
EUROPEAN PATENT APPLICATION	
(1) Application number: 94102573.6 (2) Date of filing: 21.02.94	(3) Int. Cl. ⁸ A43B 13/14, A43B 7/12
(4) Priority: 05.03.93 IT PD930051 (5) Date of publication of application: 19.10.94 Bulletin 94/42 (6) Designated Contracting States: AT BE CH DE DK ES FR GB GR IE LI LU MC NL PT SE	(7) Applicant: POL SCARPE SPORTIVE S.r.l. Via Feltrina Sud 6/B I-31030 Biadene di Montebelluna (Treviso) (IT) (8) Inventor: Moretti Polegato, Mario Viale Antonini 8 I-31035 Crocetta del Montello (IT) (9) Representative: Modiano, Guido, Dr.-Ing. et al Modiano & Associati S.r.l. Via Meravigli, 16 I-20123 Milano (IT)

Overview

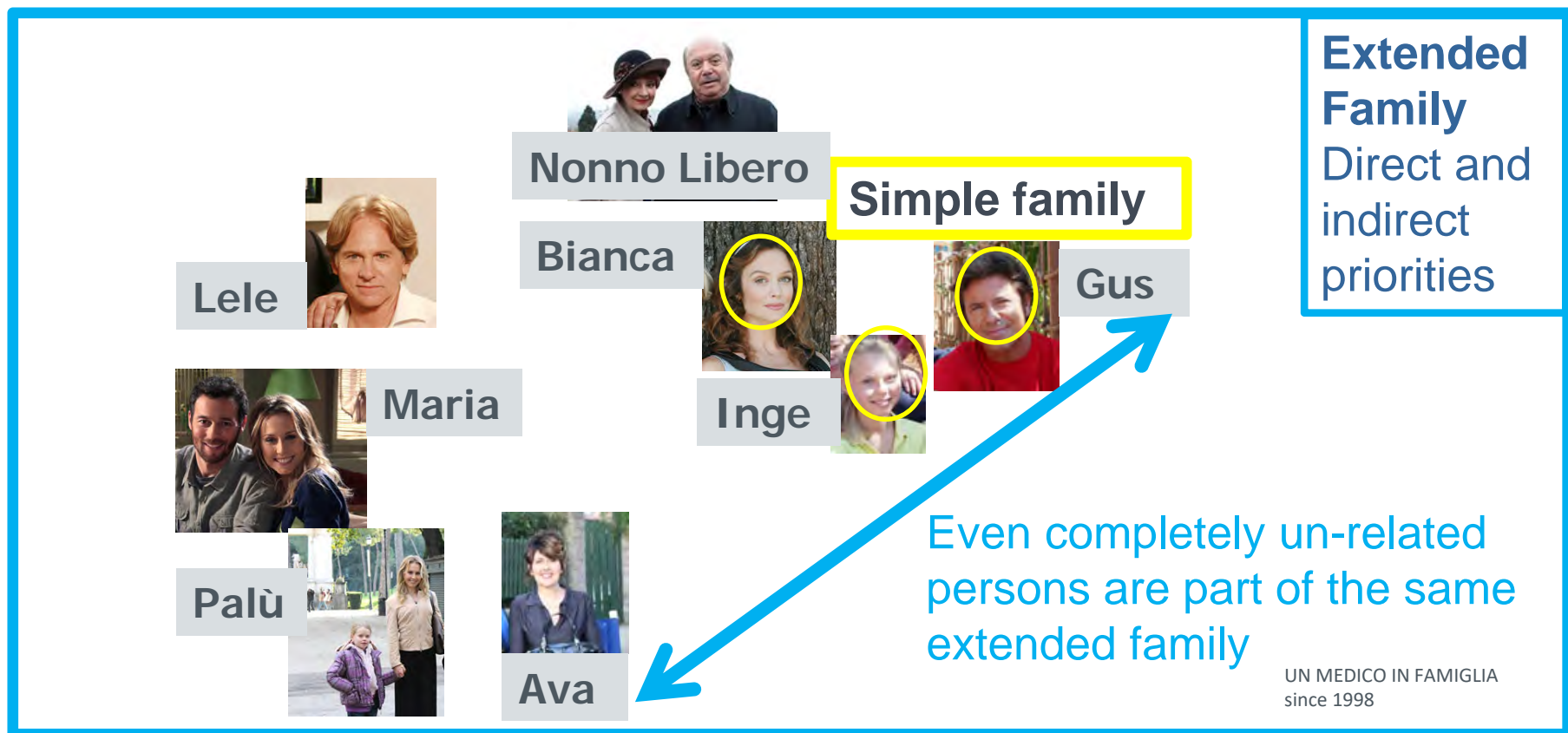
Patent Families at the EPO

1. Some definitions
 2. Concepts at the EPO?
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- Conclusions and Questions

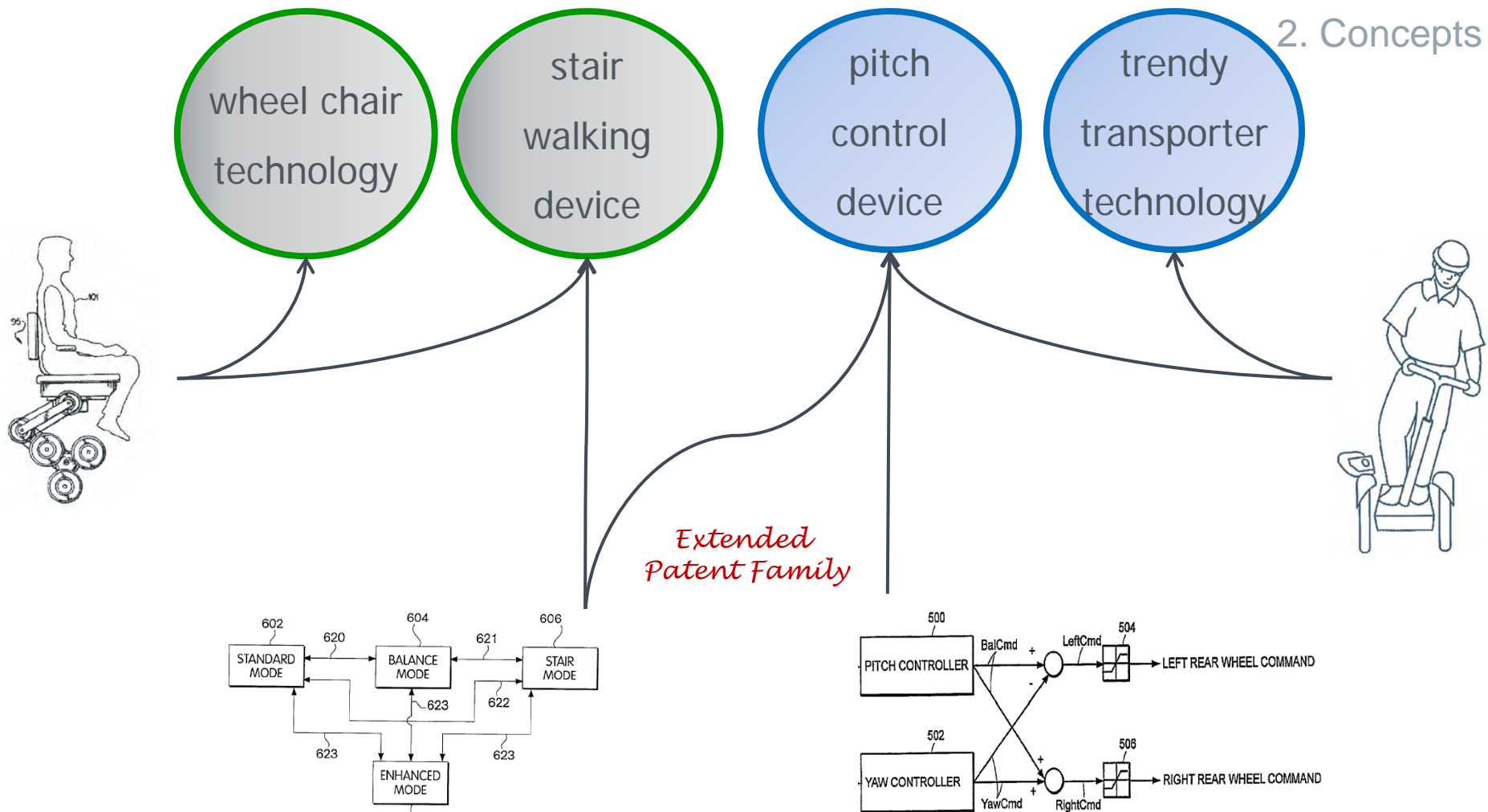
EPO supports two patent family concepts

- DOCDB Simple Patent Family
- INPADOC Extended Patent Family

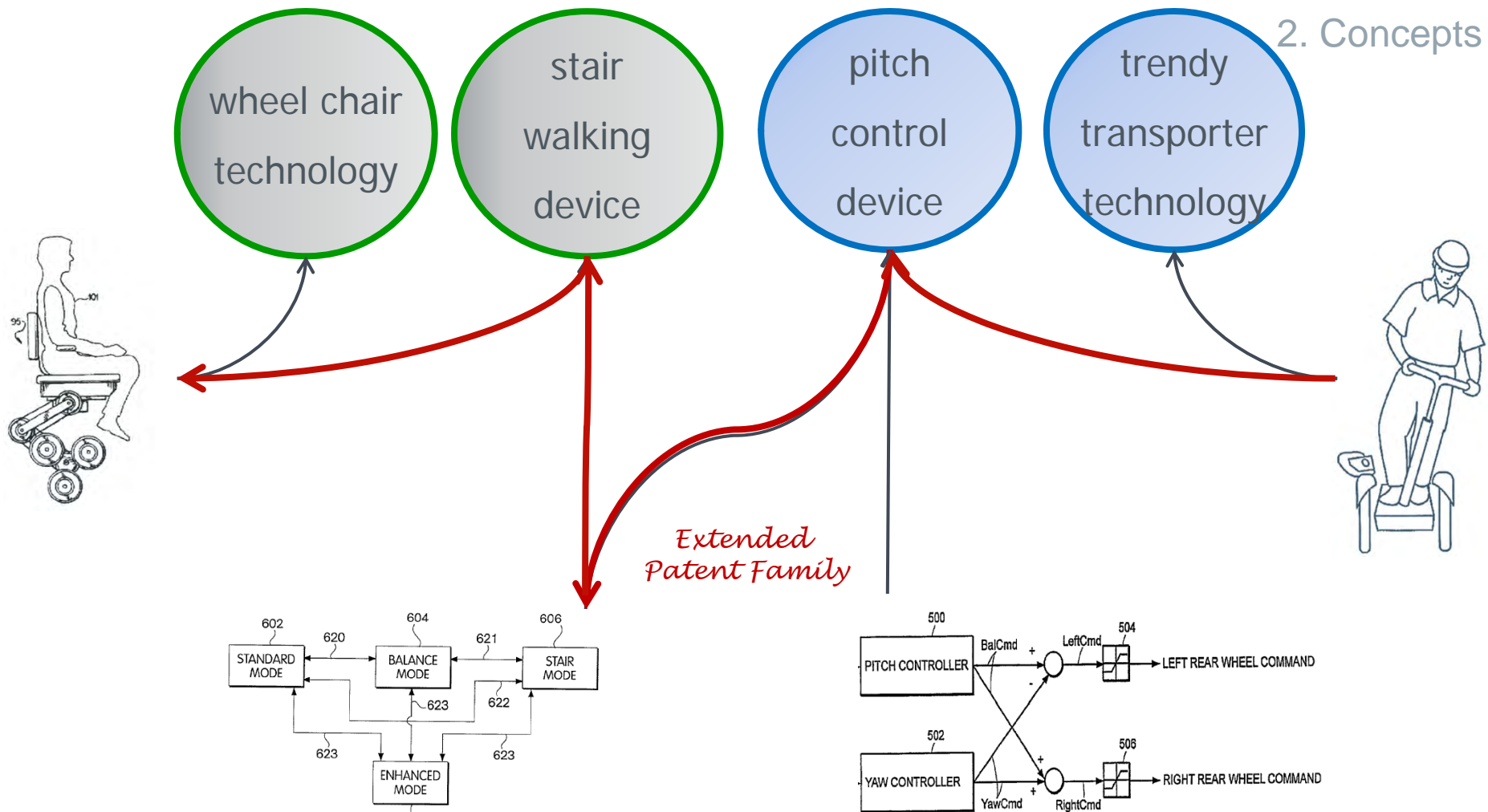
Patent families are a bit like people families



2. Concepts



2. Concepts



Example WO2006031917 in Espacenet

■ Simple Patent Family

Status April 2015

Also published as: [WO2006031917 \(A8\)](#) [US2005121866 \(A1\)](#) [US7275607 \(B2\)](#) [US2014339003 \(A1\)](#) [US2013226383 \(A1\)](#) [US2013226383 \(A1\)](#) [US8830048 \(B2\)](#) [US8830048 \(B2\)](#) [US2012310464 \(A1\)](#) [US2011012721 \(A1\)](#) [US2011012721 \(A1\)](#) [US8248222 \(B2\)](#) [US8248222 \(B2\)](#) [US2008018443 \(A1\)](#) [US2008018443 \(A1\)](#) [US7812715 \(B2\)](#) [US7812715 \(B2\)](#) [JP2014218247 \(A\)](#) [JP2011246124 \(A\)](#) [JP2008513055 \(A\)](#) [JP2008513055 \(A\)](#) [JP5243795 \(B2\)](#) [JP5243795 \(B2\)](#) [ES2373671 \(T3\)](#) [EP1791609 \(A1\)](#) [EP1791609 \(B1\)](#) [CN101056680 \(A\)](#) [CN101056680 \(A\)](#) [CN101056680 \(B\)](#) [CN101056680 \(B\)](#) [CA2822729 \(A1\)](#) [CA2580632 \(A1\)](#) [CA2580632 \(C\)](#) → [AT531432 \(T\)](#) → [less](#)

Status January 2020

Published as: [AT531432T](#); [CA2580632A1](#); [CA2580632C](#); [CA2822729A1](#); [CA2822729C](#); [CA2897221A1](#); [CA2897221C](#); [CA2952911A1](#); [CA2952911C](#); [CN101056680A](#); [CN101056680B](#); [EP1791609A1](#); [EP1791609B1](#); [ES2373671T3](#); [JP2008513055A](#); [JP5243795B2](#); [JP2011246124A](#); [JP6043055B2](#); [JP2014218247A](#); [JP2015171895A](#); [JP2016084135A](#); [JP2018062344A](#); [JP2018135096A](#); [WO2006031917A1](#); [WO2006031917A8](#); [US2012310464A1](#); [US2013226383A1](#); [US8830048B2](#); [US2014339003A1](#); [US9188984B2](#); [US2015151806A1](#); [US9411339B2](#); [US2015151807A1](#); [US9442486B2](#); [US2015151808A1](#); [US9400502B2](#); [US2015153734A1](#); [US9529365B2](#); [US2015153739A1](#); [US9442491B2](#); [US2015160656A1](#); [US9429955B2](#); [US2015168952A1](#); [US9459627B2](#); [US2015160657A1](#); [US9411336B2](#); [US2015158541A1](#); [US9442492B2](#); [US2016070269A1](#); [US9411340B2](#); [US2017001676A1](#); [US10118661B2](#); [US2017115664A1](#); [US9983587B2](#); [US2018275662A1](#); [US10370052B2](#); [US2019351963A1](#); [US2008018443A1](#); [US7812715B2](#); [US2011012721A1](#); [US8248222B2](#); [US2005121866A1](#); [US7275607B2](#)



Publication	Application number	Title	Publication date	Applicants
AT531432T	AT05800866T	STEUERUNG EINES INDIVIDUALTRANSPORTS AUF GRUNDLAGE DER BENUTZERPOSITION	2011-11-15	DEKA PRODUCTS LP [US]
CA2580632A1	CA2580632A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2006-03-23	DEKA PRODUCTS LP [US]
CA2580632C	CA2580632A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2013-08-06	DEKA PRODUCTS LP [US]
CA2822729A1	CA2822729A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2006-03-23	DEKA PRODUCTS LP [US]
CA2822729C	CA2822729A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2015-09-01	DEKA PRODUCTS LP [US]
CA2897221A1	CA2897221A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2006-03-23	DEKA PRODUCTS LP [US]
CA2897221C	CA2897221A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2017-01-24	DEKA PRODUCTS LP [US]
CA2952911A1	CA2952911A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2006-03-23	DEKA PRODUCTS LP [US]
CA2952911C	CA2952911A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2019-04-30	DEKA PRODUCTS LP [US]
CN101056680A	CN200580038817 A	Control of a personal transporter based on user position	2007-10-17	DEKA PRODUCTS LP [US]
CN101056680B	CN200580038817 A	Control of a personal transporter based on user position	2010-11-10	DEKA PRODUCTS LP [US]
EP1791609A1	EP05800866A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2007-06-06	DEKA PRODUCTS LP [US]
EP1791609B1	EP05800866A	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2011-11-02	DEKA PRODUCTS LP [US]

2. Concepts

Espacenet: WO2006031917

■INPADOC Patent Family



Simple family INPADOC family Latest legal events					
RSS: Family dossier 226 applications, 364 publications					
Publication	Application number	Family	Title	Publication date	Applicants
AT531432T	AT05800866T	Simple	STEUERUNG EINES INDIVIDUALTRANSPORTS AUF GRUNDLAGE DER BENUTZERPOSITION	2011-11-15	DEKA PRODUCTS LP [US]
CA2580632A1	CA2580632A	Simple	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2006-03-23	DEKA PRODUCTS LP [US]

Publication	Application number	Family	Title	Publication date	Applicants
WO2006031917A8	US2005032797W	Simple	CONTROL OF A PERSONAL TRANSPORTER BASED ON USER POSITION	2007-05-03	AMBROGI ROBERT R [US]; ETC.
AT319608T	AT00938046T	INPADOC	INDIVIDUELLES MOBILITÄTSFAHRZEUG UND VERFAHREN	2006-03-15	DEKA PRODUCTS LP [US]
AU5313700A	AU5313700A	INPADOC	Personal mobility vehicles and methods	2000-12-28	DEKA PRODUCTS LP [US]
AU766736B2	AU5313700A	INPADOC	Personal mobility vehicles and methods	2003-10-23	DEKA PRODUCTS LP [US]
CA2375645A1	CA2375645A	INPADOC	PERSONAL MOBILITY VEHICLES AND METHODS	2000-12-14	DEKA PRODUCTS LP [US]
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CA2683099A1	CA2683099A	INPADOC	PERSONAL MOBILITY VEHICLES AND METHODS	2000-12-14	DEKA PRODUCTS LP [US]
DE60026522T2	DE60026522T	INPADOC	INDIVIDUELLES MOBILITÄTSFAHRZEUG UND VERFAHREN	2006-10-12	DEKA PRODUCTS LP [US]
EP1181187A1	EP00938046A	INPADOC	PERSONAL MOBILITY VEHICLES AND METHODS	2002-02-27	DEKA PRODUCTS LP [US]
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JP2003502002A	JP2001501493A	INPADOC	No title available	2003-01-14	
JP2010188998A	JP2010086437A	INPADOC	PERSONAL MOBILITY VEHICLE AND METHOD	2010-09-02	DEKA PRODUCTS LP [US]

Patent families will help

- reduce work-load
- overcome language barriers
- find related inventions
- define geographical coverage
- identify technological trends



Statistics with patent families: example OECD

<https://data.oecd.org/>

According to the OECD definition (Dernis et al., 2001), a **triadic patent family** is a set of patent applications filed at the EPO and the JPO, and granted by the USPTO, sharing one or more priority applications.

<https://www.oecd-ilibrary.org/docserver/9789264056442-en.pdf?expires=1602484594&id=id&accname=guest&checksum=D9AB7D8BBB6954B3564FBDD3F6252154>

DOCDB Simple Patent Family

- collection of patents covering one single invention
- technical content covered is identical
- most restrained definition of a patent family
- particularly suited for prior art search

*For: Searchers,
Examiners*

INPADOC Extended Family

- collection of patents covering a technology
- differences in technical content possible
- broadest definition of a patent family
- supports identification technological trends
- supports definition of geographical coverage

*For: Researchers,
Analysts*

Overview

Patent Families at the EPO

1. Some definitions
 2. Concepts at the EPO?
 3. Building patent families at the EPO
 4. Patent Families in ESPACEnet
 5. Divisional applications
 6. Continuation in part
- FAQs and References
- Conclusions and Questions

Building Patent Families at the EPO

- DOCDB Simple Patent Family
 - ☐ collection of patents covering **one single invention**
 - ☐ **technical content** covered is **identical**

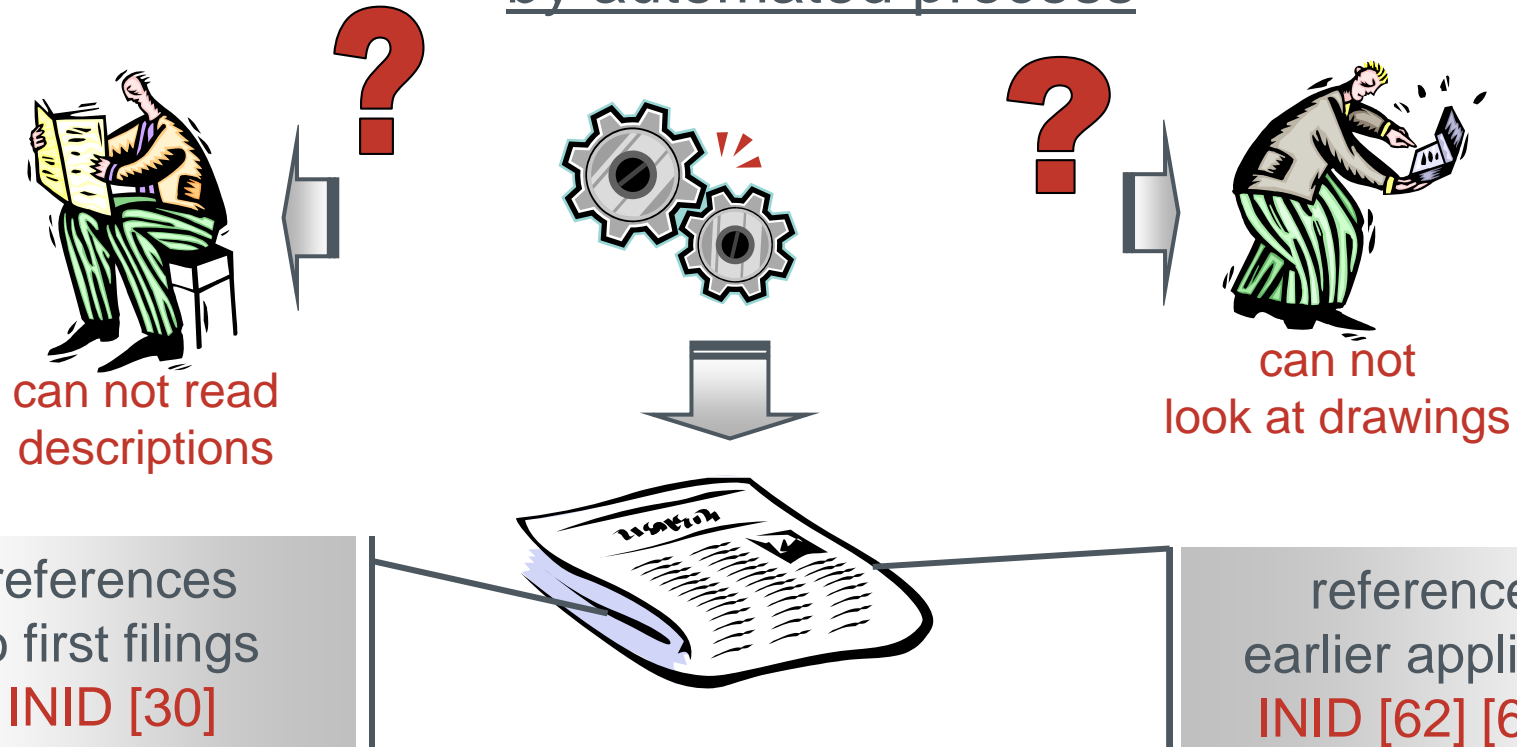
- INPADOC Extended Family
 - ☐ collection of patents covering **a technology**
 - ☐ **technical content similar** but not the same

HOW to identify identical technical content?

HOW to detect differences?



EPO is building patent families
by automated process



Building Patent Families at the EPO

DOCDB Simple Patent Family

- where "priority" is a reference to a "first filing"
 - ✓ first filing [Paris Convention]
 - ✓ provisional first filing [US provisional application]
 - ✓ equivalent to first filing [US continuation in part]

INPADOC Extended Family

- where "priority" is **any** reference to an earlier application
 - ✓ reference to a PCT filing
 - ✓ domestic application

*In **ESPACE**net - all of those will be called "**priority**"*

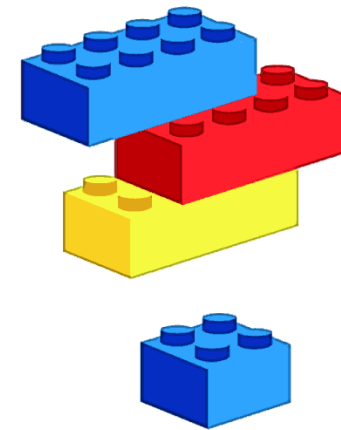


Overview

Patent Families at the EPO

1. Some definitions
 2. Concepts at the EPO?
 3. Building patent families at the EPO
 4. Patent Families in ESPACEnet
 5. Divisional applications
 6. Continuation in part
- FAQs and References
- Conclusions and Questions

LEGO building block
First filing -
Reference to an
earlier filing





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Search Result list ★ My patents list (0) Query history Settings Help

Refine search → Results → DK200500192 (A)

DK200500192 (A)

Bibliographic data

Description

Claims

Mosaics

Original document

Cited documents

Citing documents

INPADOC legal status

INPADOC patent family

Quick help

- What is meant by high quality text as facsimile?
- What does A1, A2, A3 and B stand for after a European publication number?
- What happens if I click on "In my patents list"?
- What happens if I click on the "Register" button?
- Why are some sidebar options deactivated for certain documents?
- How can I bookmark this page?
- Why does a list of documents with the heading "Also published as" sometimes appear, and what are these documents?
- Why do I sometimes find the abstract of a corresponding document?
- What happens if I click on the red "patent translate" button?
- What is Global Dossier?

Bibliographic data: DK200500192 (A) — 2006-08-10

★ In my patents list Previous 2/2 Next DK Register Report data error

A TOY BUILDING SET

Page bookmark DK200500192 (A) - A TOY BUILDING SET

Inventor(s): HENRIK ANDERSEN [DK] ±

Applicant(s): LEGO AS [DK] ±

Classification: - international: A63H33/04; A63H33/06; A63H33/08

- cooperative: A63H33/062; A63H33/103

Application number: DKPA200500192/20050209

Priority number(s): DKPA200500192/20050209

Also published as: → A1414561T; → CA2596581A1; → CA2596581C; → CN101132842A; → DK1896152T3; → EP1896152A1; → EP1896152B1; → ES2317490T3; → JP2008529614A; → JP4563458B2; → KR101246968B1; → KR20070107113A; → NO20074506A; → NO336921B1; → US2008311819A1; → US7625261B2; → WO2006084465A1; → WO2006084465A8; → less

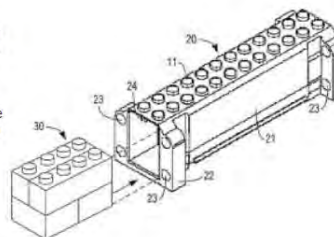
Abstract not available for DK200500192 (A)
Abstract of corresponding document: WO2006084465 (A1)

Translate this text into

Select language

patenttranslate powered by EPJ and Google

A toy building set with toy building elements with coupling means for releasably interconnecting the toy building elements, which further comprises outer and inner toy building elements with a longitudinal direction. The inner toy building elements are receivable in the outer toy building elements, and the inner toy building elements are slideable in the outer toy building elements along their parallel longitudinal directions. The outer toy building elements can be interconnected in their longitudinal directions to form a composite outer toy building element, and the inner toy building elements can be interconnected in their longitudinal directions to form a composite inner toy building element that can be slideably received in the composite outer toy building element.



★ DK200500192A Legetøjsbyggesæt

Bibliographic data Description Claims Drawings Original document Cit

Register ↗

Applicants LEGO AS [DK] +

Inventors HENRIK ANDERSEN [DK] +

Classifications

IPC A63H33/04; A63H33/06; A63H33/08;

CPC A63H33/062 (EP); A63H33/103 (EP);

Priorities DKPA200500192A/2005-02-09

Application DKPA200500192A/2005-02-09

Publication DK200500192A/2006-08-10

Published as AT414561T; CA2596581A1; CA2596581C; CN101132842A; DK1896152T3; WO2006084465A1; WO2006084465A8; DK200500192A; EP1896152A1; EP1896152B1; ES2317490T3; JP2008529614A; JP4563458B2; KR20070107113A; KR101246968B1; NO336921B1; NO20074506L; PL1896152T3; US2008311819A1; US7625261B2

4. Espacenet

Bibliographic data: DK200500192 (A) — 2006-08-10

★ In my patents list Previous 2 / 2 Next DK Register Report data error

A TOY BUILDING SET

Page bookmark [DK200500192 \(A\) - A TOY BUILDING SET](#)

Inventor(s): HENRIK ANDERSEN [DK] ±

Applicant(s): LEGO AS [DK] ±

Classification: - international: **A63H33/04; A63H33/06; A63H33/08**
- cooperative: **A63H33/062; A63H33/103**

Application number: **DK PA 200500192** 20050209

Priority number(s): **DK PA 200500192** 20050209

DK200500192A Legetøjsbyggesæt	
Bibliographic data	Description Claims Drawings Original document Cit
Register ↗	
Applicants	LEGO AS [DK] +
Inventors	HENRIK ANDERSEN [DK] +
Classifications	
IPC	A63H33/04; A63H33/06; A63H33/08;
CPC	A63H33/062 (EP); A63H33/103 (EP);
Priorities	DKPA200500192A: 2005-02-09
Application	DKPA200500192A: 2005-02-09
Publication	DK200500192A: 2006-08-10
Published as	AT414561T; CA2596581A1; CA2596581C; CN101132842A; DK1896152T3; WO2006084465A1; WO2006084465A8; DK200500192A; EP1896152A1; EP1896152B1; ES2317490T3; JP2008529614A; JP4563458B2; KR20070107113A; KR101246968B1; NO336921B1; NO20074506L; PL1896152T3; US2008311819A1; US7625261B2

Members of *one* simple
patent family
NOT claiming the same
priorities

Bibliographic data: US2008311819 (A1) — 2008-12-18

★ In my patents list Report data error


Toy Building Set

Page bookmark [US2008311819 \(A1\) - Toy Building Set](#)

Inventor(s): ANDERSEN HENRIK [DK] ±

Applicant(s): LEGO AS [DK] ±

Classification: - international: **A63H33/08**
- cooperative: **A63H33/062; A63H33/103**

Application number: ~~US20060993056~~ 20060208  Global Dossier

Priority number(s): **DK PA 200500192** 20050209 ; **WO2006 DK 00071** 20060208

Global Dossier ↗	
Bibliographic data	Description Claims Drawings Original document C
Applicants	LEGO AS [DK] +
Inventors	ANDERSEN HENRIK [DK] +
Classifications	
IPC	A63H33/08;
CPC	A63H33/062 (EP); A63H33/103 (EP);
Priorities	DKPA200500192A: 2005-02-09; DK2006000071W: 2006-02-08
Application	US88395606A: 2006-02-08
Publication	US2008311819A1: 2008-12-18
Published as	AT414561T; CA2596581A1; CA2596581C; CN101132842A; DK1896152T3; WO2006084465A1; WO2006084465A8; DK200500192A; EP1896152A1; EP1896152B1; ES2317490T3; JP2008529614A; JP4563458B2; KR20070107113A; KR101246968B1; NO336921B1; NO20074506L; PL1896152T3; US2008311819A1; US7625261B2

4. Espacenet

Bibliographic data: DK200500192 (A) — 2006-08-10

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A TOY BUILDING SET

Page bookmark [DK200500192 \(A\)](#) -
 Inventor(s): HENRIK ANDERSEN
 Applicant(s): LEGO AS [DK] ±
 Classification: - international: **A63H33/04; A63H33/06; A63H33/08**
 - cooperative: **A63H33/062; A63H33/103**

Application number: **DK PA 200500192** 20050209

Priority number(s): **DKPA200500192** 20050209

Bibliographic data: US2008311819 (A1) — 2008-12-18

★ In my patents list Report data error

Toy Building Set

Page bookmark [US2008311819 \(A1\) - Toy Building Set](#)
 Inventor(s): ANDERSEN HENRIK [DK] ±
 Applicant(s): LEGO AS [DK] ±
 Classification: - international: **A63H33/08**
 - cooperative: **A63H33/062; A63H33/103**

Application number: **US2008088358** 20060208

Priority number(s): **DK PA 200500192** 20050209 **WO2006 DK 00071** 20060208

*INID-code (30)
 reference to "first filing"
 to build SIMPLE patent family*

*INID-code (86) or (62) or (63)
 reference to earlier application
 to build EXTENDED patent family*

(19) United States	(10) Pub. No.: US 2008/0311819 A1
(12) Patent Application Publication	(43) Pub. Date: Dec. 18, 2008
Inventor: Henrik Andersen, Billund (DK)	
Correspondence Address: DAY PITNEY LLP 7 TIMES SQUARE NEW YORK, NY 10036-7311 (US)	
(73) Assignee: LEGO A/S, Billund (DK)	(30) Foreign Application Priority Data Feb. 9, 2005 (DK) PA 2005 00192
(21) Appl. No.: 11/883,956	Publication Classification
(22) PCT Filed: Feb. 8, 2006	(51) Int. Cl. A63H 33/08 (2006.01)
(86) PCT No.: PCT/DK06/00071	(52) U.S. Cl. 446/128
§ 371 (c)(1), (2), (4) Date: Oct. 1, 2007	(57) ABSTRACT A toy building set with toy building elements with coupling means for releasably interconnecting the toy building elements, which further comprises outer and inner toy building elements with a longitudinal direction. The inner toy building elements are receivable in the outer toy building elements, and the inner toy building elements are slideable in the outer toy building elements along their parallel longitudinal directions. The outer toy building elements can be interconnected in their longitudinal directions to form a composite outer toy building element, and the inner toy building elements can be interconnected in their longitudinal directions to form a composite inner toy building element that can be slideably received in the composite outer toy building element.

SKIN CARE
US provisional application
NOT a “provisional” first filing



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
1 April 2010 (01.04.2010)(10) International Publication Number
WO 2010/035169 A1**(54) Title:** EMULSION-TYPE COMPOSITIONS COMPRISING AT LEAST ONE VOLATILE LINEAR ALKANE

(57) Abstract: The present invention relates to an emulsion-type composition comprising a fattycontinuous phase, preferably of water-in-oil type, said composition comprising at least one polyglyceryl polyricinoleate, at least one polyol and at least one volatile linear alkane. It also relates to the use of such a composition for conferring on said composition improved comfort on application and/or improved stability.

technical content(22) International Filing Date:
15 September 2009 (15.09.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0856461 25 September 2008 (25.09.2008) FR
61/106,163 17 October 2008 (17.10.2008) US

(71) Applicant (for all designated States except US): L'OREAL [FR/FR]; 14 rue Royale, F-75008 Paris (FR).

ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM,

First filing
US provisional application

①⑨ RÉPUBLIQUE FRANÇAISE
INSTITUT NATIONAL
DE LA PROPRIÉTÉ INDUSTRIELLE

①① N° de publication : **2 936 154**

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②① N° d'enregistrement national : **08 56461**

⑤④ COMPOSITIONS DE TYPE EMULSION COMPRENANT AU MOINS UN ALCANE LINEAIRE VOLATIL.

⑤⑦ La présente invention concerne une composition de type émulsion comprenant une phase continue grasse, de préférence de type émulsion eau-dans-huile, ladite composition comprenant au moins un polyglycéryl polyricinoléate, au moins un polyol et au moins un alcane linéaire volatil. Elle vise en outre l'utilisation d'une telle composition pour conférer à ladite composition un confort à l'application amélioré et/ou une stabilité améliorée.

identical technical content

⑫

②② Date de dépôt : 25.09.08.

③⑦ Priorité :

⑦① Demandeur(s) : L'OREAL Société anonyme — FR.

This is the first filing
There is NO US provisional application

teur(s) : CLAVEL EURIEL, ARNAUD PASCAL
CARRACHI FEVRE PALOMA.

⑤⑥ Liste des documents cités dans le rapport de recherche préliminaire : Se reporter à la fin du présent fascicule

⑥⑦ Références à d'autres documents nationaux apparentés :

⑦③ Titulaire(s) : L'OREAL Société anonyme.

4. Espacenet

Bibliographic data: FR2936154 (A1) — 2010-03-26

★ In my patents list ➤ FR Register 📄 Report data error 🖨️ Print

COMPOSITIONS DE TYPE EMULSION COMPRENANT AU MOINS UN ALCANE LINEAIRE VOLATIL.

Page bookmark [FR2936154 \(A1\) - COMPOSITIONS DE TYPE EMULSION COMPRENANT AU MOINS UN ALCANE LINEAIRE VOLATIL.](#)

Inventor(s): CLAVEL EURIEL [FR]; ARNAUD PASCAL [FR]; ESCARRACHI FEVRE PALOMA [FR] ±

Applicant(s): OREAL [FR] ±

Classification: - international: [A61K47/34](#); [A61K8/06](#); [A61K8/84](#); [A61P17/00](#); [A61Q1/02](#)
 - cooperative: [A61K8/06](#); [A61K8/064](#); [A61K8/066](#); [A61K8/31](#); [A61K8/345](#); [A61K8/39](#); [A61K8/60](#); [A61Q1/02](#)

Application number: FR20080056461 20080925

Priority number(s): [FR20080056461 20080925](#)

Also published as: ➔ [FR2936154 \(B1\)](#) ➔ [US2014079656 \(A1\)](#) ➔ [WO2010035169 \(A1\)](#) ➔ [ES2425516 \(T3\)](#) ➔ [EP2328540 \(A1\)](#)
 ➔ [more](#)

priorities claimed are NOT the same ...

Application number: WO2009IB54031 20090915

Priority number(s): [FR20080056461 20080925](#) ; [US20080106163P 20081017](#)

Also published as: ➔ [FR2936154 \(A1\)](#) ➔ [FR2936154 \(B1\)](#) ➔ [US2014079656 \(A1\)](#) ➔ [ES2425516 \(T3\)](#) ➔ [EP2328540 \(A1\)](#) ➔ [more](#)

4. Espacenet

Bibliographic data: FR2936154 (A1) — 2010-03-26

★ In my patents list ➤ FR Register 📄 Report data error 🖨️ Print

COMPOSITIONS DE TYPE EMULSION COMPRENANT AU MOINS UN ALCANE LINEAIRE VOLATIL.

Page bookmark [FR2936154 \(A1\) - COMPOSITIONS DE TYPE EMULSION COMPRENANT AU MOINS UN ALCANE LINEAIRE VOLATIL.](#)

Inventor(s): CLAVEL EURIEL [FR]; ARNAUD PASCAL [FR]; ESCARRACHI FEVRE PALOMA [FR] ±

Applicant(s): OREAL [FR] ±

Classification: - international: [A61K47/34](#); [A61K8/06](#); [A61K8/84](#); [A61P17/00](#); [A61Q1/02](#)
 - cooperative: [A61K8/06](#); [A61K8/064](#); [A61K8/066](#); [A61K8/31](#); [A61K8/345](#); [A61K8/39](#); [A61K8/60](#); [A61Q1/02](#)

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Also published as: ➔ [FR2936154 \(B1\)](#) ➔ [US2014079656 \(A1\)](#) ➔ [WO2010035169 \(A1\)](#) ➔ [ES2425516 \(T3\)](#) ➔ [EP2328540 \(A1\)](#)
 ➔ [more](#)

priorities claimed ARE the same

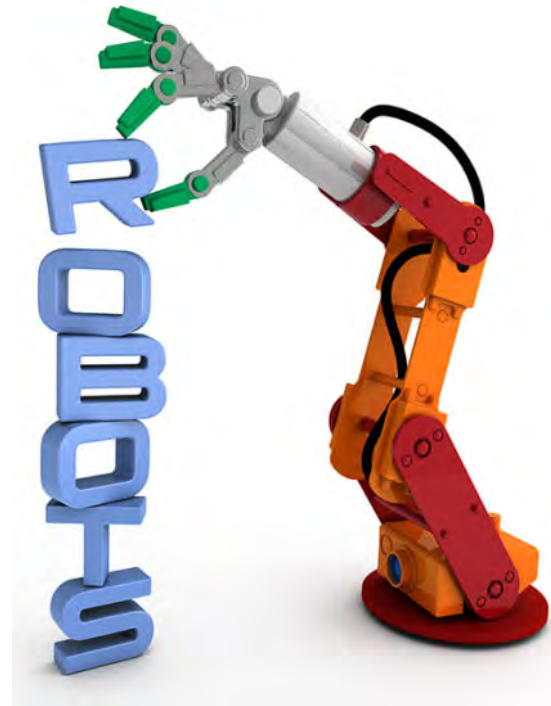
*US provisional next to a **genuine** first filing
is not relevant as a **provisional** first filing*

Application number: WO2009IB50031 20090915

Priority number(s): [FR20080056461 20080925](#) [US200801061 20080107](#)

Also published as: ➔ [FR2936154 \(A1\)](#) ➔ [FR2936154 \(B1\)](#) ➔ [US2014079656 \(A1\)](#) ➔ [ES2425516 \(T3\)](#) ➔ [EP2328540 \(A1\)](#) ➔ [more](#)

ROBOTICS
US provisional application
IS a “provisional” first filing



4. Espacenet

US 61/041,707

(19) 대한민국특허청(KR)
(12) 공개특허공보(A)

(11) 공개번호 10-2012-0087990
(43) 공개일자 2012년08월07일

(51) 국제특허분류(Int. Cl.)
G06N 3/00 (2006.01) B25J 11/00 (2006.01)

(21) 출원번호 10-2012-7015797 (분할)
(22) 출원일자(국제) 2008년04월10일
심사청구일자 없음

(62) 원출원 특허 10-2010-7024684
원출원일자(국제) 2008년04월10일
심사청구일자 2010년11월02일

(85) 번역문제출일자 2012년06월18일
(86) 국제출원번호 PCT/US2008/059856
(87) 국제공개번호 WO 2009/123650
국제공개일자 2009년10월08일

(30) 우선권주장
61/041,707 2008년04월02일 미국(US)

(71) 출원인
아이로봇 코퍼레이션
미국 01730 메사추세츠주 베드포드 크로스바이 드
라이브 8

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27
베일, 마샬, 제이.
미국 02474 메사추세츠주 알링턴 트윈 씨클 드라이브
12
퀸스, 저스틴, 에이치
미국 02139 메사추세츠주 캠퍼릿지 랜즈우드
트 100 에이비티, 801

(74) 대리인
박정기 약력주

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION T

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International Bureau

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(10) International Publication
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(51) International Patent Classification:
G06N 3/00 (2006.01)

(21) International Application Number:
PCT/US2008/059856

(22) International Filing Date:
10 April 2008 (10.04.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/041,707 2 April 2008 (02.04.2008) US

(71) Applicant (for all designated States except US):
IROBOT CORPORATION [US/US]; 63 South Ave.,
Burlington, MA 01803 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AO, AT, AU, AZ, BA, BB, BG, BH,
CA, CH, CN, CO, CR, CU, CZ, DE, EC, EE, EG, ES, FI, GB, GD, GE, GR,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KH, KR, LA, LC, LK, LR, LS, LT, LU, LV,
MG, MK, MN, MW, MX, MY, MZ, NA, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, FI, FR, GB, GR, HU, IE, IT, LI, LU, MT, NL, PL, PT, RO, RS, RU, SE, SI, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, UA, UG, UZ, VC, VN, ZA, ZM, ZW),
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OAPI (BF, BJ, CF, CG, CI, CM, GN, GU, GW, IL, IN, IS, KE, KG, KH, KR, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SE, SI, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, UA, UG, UZ, VC, VN, ZA, ZM, ZW).

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Pack et al.

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(54) ROBOTICS SYSTEMS

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(51) Int. Cl.
B25J 11/00 (2006.01)
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(52) U.S. Cl. 700/246

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Burlington, MA (US)

(21) Appl. No.: 12/100,782

(22) Filed: Apr. 10, 2008

Related U.S. Application Data
(60) Provisional application No. 61/041,707, filed on Apr. 2, 2008.

(57) ABSTRACT
A method of controlling a robot includes running multiple applications on a processor, where each application has a robot controller and an action selection engine. Each application is in communication with at least one behavior and at least one action model of at least part of the robot. The method includes running periodic action selection cycles on each action selection engine. Each action selection cycle includes selecting a command for each action space of each action model, generating a single overall command based on the accumulated commands for each action model, and sending the overall command to the robot controller for execution on the robot.

4. Espacenet

Bibliographic data: US2009254217 (A1) — 2009-10-08	
★ In my patents list	📄 Global Dossier
📄 Report data error	🖨️ Print
Robotics Systems	
Page bookmark	US2009254217 (A1) - Robotics Systems
Inventor(s):	PACK ROBERT T [US]; VALE MARSHALL J [US]; KEARNS JUSTIN H [US] ±
Applicant(s):	IROBOT CORP [US] ±
	11/00; G06N5/02
	3/008
Application number:	US 20080100782 20080410
Priority number(s):	US20080100782 20080410 ; US20080041707P 20080402
Application number:	WO2008 US 59856 20080410
Priority number(s):	US20080041707P 20080402
Also published as:	📄 US2009254217 (A1) 📄 US8452448 (B2) 📄 KR20120087990 (A) → more
Application number:	KR20127015797 20080410
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Also published as:	📄 KR101358477 (B1) 📄 US2009254217 (A1) 📄 US8452448 (B2) 📄 WO2009123650 (A1) 📄 KR20110000689 (A)

*generated for internal business purposes
not considered as a priority*

*NOT claimed next to a genuine first filing
US provisional application IS a "first filing"*

*reference to an earlier PCT application
not considered as a priority*

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- Conclusions and Questions

5. Divisional application

5. Divisional application



Divisional Application

- What?

209 A divisional application may be filed only for subject-matter which does not extend beyond the content of the parent application as filed. If it complies with this provision and with the formal requirements for according a date of filing (see point 136 et seq.), it is deemed to have the same date of filing and priority date as the parent application.

http://www.epo.org/applying/european/Guide-for-applicants/html/e/ga_d_viii.html

No new
subject matter

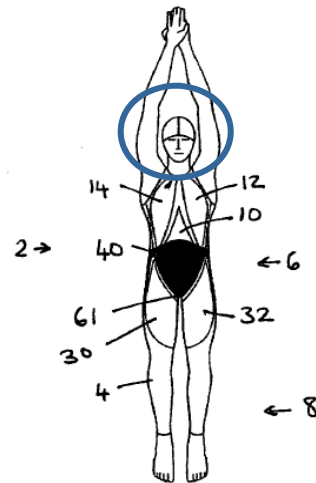


Same
simple patent family

Example: Sports Garment and swim cap

GB 2444803 A "Sports Garment"

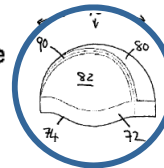
A sports garment (e.g. a swim suit) has a base layer of stretchable elasticated fabric, the base layer having a torso portion that covers at least a part of the torso of a person when the garment is worn. An inner core layer of stretchable elasticated fabric is bonded to the inner surface of the base layer to extend around the abdomen and lower back regions of the garment. By providing a double layer of stretchable elasticated fabric in this manner, more compression is applied to the abdomen of the person (e.g. swimmer) wearing the suit, bringing about improvements in form drag. The additional support provided to the lower back and abdomen also improves core stability, which is of benefit in many sporting activities, including swimming. Also provided is a cap with base and inner core layers.



NO new technical detail "swim cap" already present in original filing

GB 2456682

A swim cap comprising a base layer of stretchable elasticated fabric and one or more panels laminated on the outer surface of the base layer. The panels cover 25% or more of the base layer and are preferably formed of a material having lower surface drag in the water than the base layer.



Example: Sports Garment and swim cap

(12) UK Patent

(19) GB

(11) 2 456 682

(13) B

(45) Date of publication: 30.09.2009

(54) Title of the invention: Swim cap

(51) INT CL: A42B 1/12 (2006.01)

(21) Application No: 0903452.1

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Date Lodged: 27.02.2009

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(33) GB

(31) 0706769

(32) 05.04.2007

(33) GB

(62) Divided from Application No 0715652.4 under Section 15(9) of the Patents Act 1977

(43) Date A Publication: 29.07.2009

(56) Documents Cited: GB 2444804 A GB 2444803 A

(58) Field of Search: As for published application 2456682 A viz: INT CL A42B Other wpo, epodoc updated as appropriate Additional Fields INT CL A42B

(72) Inventor(s): Peter Harrison

(73) Proprietor(s): Speedo International Limited (Incorporated in the United Kingdom) 8 Manchester Square, LONDON, W1U 3PH, United Kingdom

(74) Agent and/or Address for Service: Mewburn Ellis LLP 33 Gutter Lane, LONDON, EC2V 8AS, United Kingdom

Bibliographic data: GB2444803 (B) — 2009-08-05

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Garments

Page bookmark GB2444803 (B) - Garments

Inventor(s): RANCE JASON [GB]; YEOMANS DEBORAH [GB]; SIMMONS MELANIE [GB]; HARRISON PETER [GB] ±

Applicant(s): SPEEDO INT LTD [GB] ±

Classification: - international: A41D7/00 - cooperative: A41D7/00; A42B1/12; A63B33/00; A41D2400/24; A41D2400/38; A63B2209/00; A63B2209/10 → more

Application number: GB 20070015652 20070810

Priority number(s): GB20060025102 20061215 ; GB20070006766 20070405 ; GB20070006769 20070405 ; GB20070015652 20070810

Also published as: GB2444803 (A) ; EP1935266 (A2) ; EP1935266 (A3) ; EP1935266 (B1) ; US2008141431 (A1) ; US2008220192 (A) ; SI1935266 (T1) ; PT1935266 (E) ; PL1935266 (T3) ; KR20080053024 (T1) ; KR101225385 (B1) ; JP2008150768 (A) ; JP5130572 (B2) ; GB2456682 (A) ; GB2456682 (B) ; ES2383870 (T3) ; DK1935266 (T3) ; CN201076027 (Y) ; CN101204251 (A) ; CN101204251 (B) ; BRPI0703337 (A) ; AU2007207872 (A1) ; AU2007207872 (B2) → AT542444 (T) → less

Divisional application - summary

- The "first filing" is adding **new technical detail**
- Each "first filing" will start a **new simple patent family**
- A "division" will **always** be in the **same family** as its parent



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6. Continuation in Part



Continuation-in-part

WHAT is a continuation in part ?

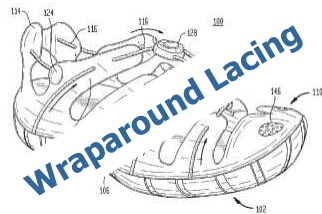
“A continuation-in-part is an application filed during the lifetime of an earlier nonprovisional application, repeating some substantial portion of the earlier nonprovisional application and **adding matter not disclosed** in the said earlier nonprovisional application.” (US Law)

New subject matter = **New** simple patent family

New subject matter = Equivalent to **first filing**

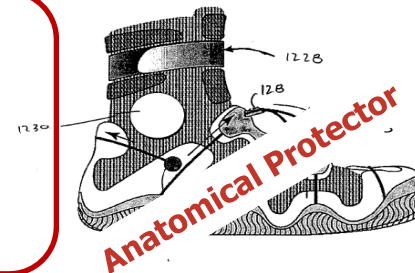
US 11/182970 A

The present invention provides a wraparound lacing system for use in all manner of footwear. The lacing system includes a lace which encircles the upper and midsole of the article of footwear in a spiral, helical, coiled or similar wound wraparound pattern. The upper includes finger members which independently adjust to the contours of the wearer's foot while providing a snug and secure fit. The upper and midsole are integrally formed as a unitary structure. The housing of the upper and the midsole includes channels therein which receive the wraparound lace. The lace can be affixed at one or both ends to the midsole or to the upper. Removable lace end keepers on the upper permit the user to adjust the length of the lace.



US 11/448967

The present invention provides a floating anatomical protector for use in articles of footwear, and is particularly suited for footwear employing a wraparound lacing system. The floating anatomical protector preferably does not directly contact the superstructure of the article of footwear when worn. Instead, the lacing or other fastening system retains the floating anatomical protector in place over the wearer's foot and/or leg. For instance, the instep region of the foot, the shin, Achilles heel, calf, etc. may be covered by the floating anatomical protector. Multiple segments or separate protectors may be used. The lace may run between different layers of the floating anatomical protector. Also, the floating anatomical protector may directly contact the wearer's skin, or it may be used in conjunction with a bootie, sock or other intermediate material.



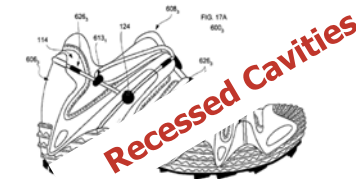
US 11/195219

The present invention provides a wraparound lacing system for use in all manner of footwear. The lacing system includes a lace which encircles the upper and midsole of the article of footwear in a spiral, helical, coiled or similar wound wraparound pattern. The upper includes finger members which independently adjust to the contours of the wearer's foot while providing a snug and secure fit. The upper and midsole are integrally formed as a unitary structure. The housing of the upper and the midsole includes channels therein which receive the wraparound lace. The lace can be affixed at one or both ends to the midsole or to the upper. Removable lace end keepers on the upper permit the user to adjust the length of the lace. Slipping and/or elongated, raised ridge members may be positioned along the bottom surface of the outsole for enhanced traction on wet surfaces.

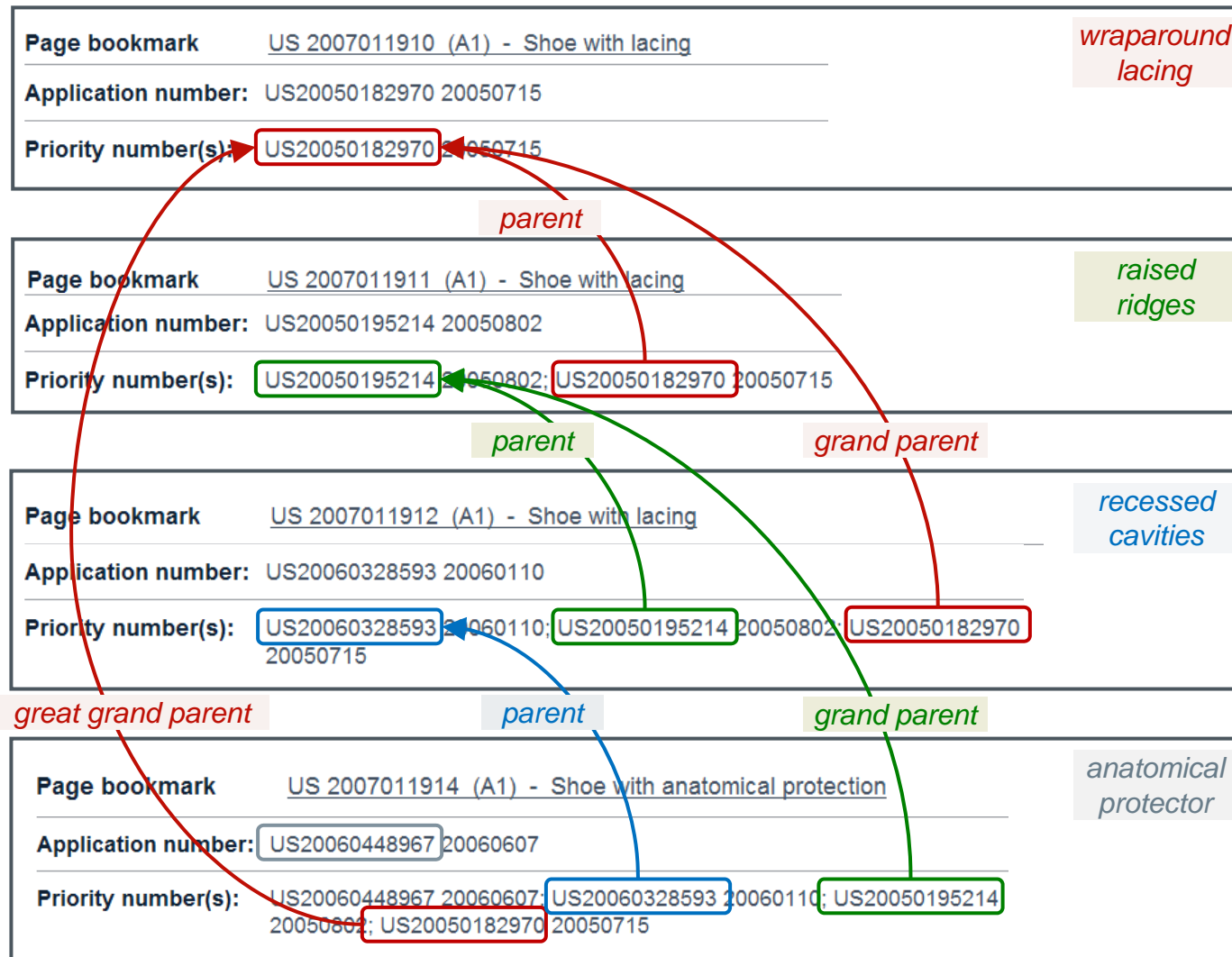


US 11/328593

The present invention provides a wraparound lacing system for use with footwear. The lacing system includes a lace which encircles the housing of the article of footwear in a spiral, helical, coiled or similar wound wraparound pattern. The housing includes finger members which independently adjust to the contours of the wearer's foot while providing a snug and secure fit. The housing of the upper and the midsole includes channels therein which receive the wraparound lace. The lace can be affixed at one or both ends to the midsole or to the upper. Removable lace end keepers on the upper permit the user to adjust the length of the lace. Recessed cavities may be positioned along the lacing channels to promote easy adjustment of the lace. The lace may run along channels formed between fingers and an overlying shell structure. The lace may run through a tube structure within the channels.



6. Continuation in part



6. Continuation in part

Continuation in Part - summary

Evolution in footwear

- The "continuation in part" is adding **new technical detail**
- The "continuation in part" is **equivalent** to a "first filing"
- Each "continuation in part" will start a **new simple patent family**



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EP MEMBER STATES and INFORMATION ON NATIONAL ENTRY of EP

This table shows how information on EP national entry is propagated in EPO databases and where/how you can find it										
	Country code	EPC member state	EPC member since	Bibliographic information			Legal information			
				New document number for translation of entry to national phase publication	EPO's kind code for translation publication	Translation publication available in DOCDB/patent family	Legal status INPADOC for national entry publication available in	Post-grant information available in EP Register	Federated register service available in EP Register	NEW: Date of exact EXPIRATION OF PROTECTION (20 years from filing: on, before or after)
1	AL	Albania	01 May 2010		no	no	no	yes	no	anniversary of filing
2	AT	Austria	01 May 1979	yes	T1-T9	yes **	EP application	yes	yes 01.2016	anniversary of filing
3	BE	Belgium	07 October 1977	only EP/BE ****	T1, T2****	yes**** **	EP application	yes	yes 11.2017	anniversary of filing
4	BG	Bulgaria	01 July 2002		no	no	no	yes	yes 05.2017	anniversary of filing
5	CH	Switzerland	07 October 1977	only EP/CH ****	no	yes	EP application	yes	yes 02.2016	1 day <u>before</u> anniversary
6	CY	Cyprus	01 April 1998	yes	T1, T2	yes ***	no	yes	no	anniversary of filing
7	CZ	Czech Republic	01 July 2002		no	no	no	yes	yes	anniversary of filing
8	DE	Germany	07 October 1977	*only EP/DE****	* T1-T9	* yes	EP application	yes	yes 08.2018	anniversary of filing
9	DK	Denmark	01 January 1990	only EP/DK*	T1-T7	yes	EP application	yes	no	anniversary of filing
10	EE	Estonia	01 July 2002	yes	B1-B9	yes	EP application	yes	no	1 day <u>before</u> anniversary
11	ES	Spain	01 October 1986	yes	T1-T9	yes	ES record	yes	yes 09.2016	anniversary of filing
12	FI	Finland	01 March 1996	yes	T3	yes	no	yes	yes 03.2016	anniversary of filing
13	FR	France	07 October 1977	*only EP/FR****	* T	* yes	EP application	yes	yes 10.2019	1 day <u>before</u> anniversary
14	GB	United Kingdom	07 October 1977		no	no	EP application	yes	yes 05.2018	1 day <u>before</u> anniversary
15	GR	Greece	01 October 1986	yes	T1-T7	yes**	no**	yes	yes 03.2016	1 day <u>after</u> anniversary
16	HR	Croatia	01 January 2008	yes	T1-T8	yes	no	yes	yes 06.2016	1 day <u>before</u> anniversary
17	HU	Hungary	01 January 2003	yes	T1-T9	yes	no	yes	no	anniversary of filing



Entry in the national phase will not always be part of the Patent family

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Families and citations

fiveIPOffices - CCD

Number: Search examples: EP1612402, US2006000447A1, JP20090214944

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	Application info	Publication info	Priority claims	Inventor(s)	Applicant(s)
1. Legetøjsbyggesæt	DK20060706042T 8 Feb 2006 (DK 06706042)	DK1896152T (T3) 23 Mar 2009	DK2005PA00192 9 Feb 2005 WO2006DK00071 8 Feb 2006	ANDE	
2. Apparat til optagning af fliser og/eller belægningssten	DK2005BA00192U 19 Aug 2005 (DK 2005 00192)	DK200500192U (U3) 18 Apr 2006	DK2005BA00192U 19 Aug 2005	Inver RAVN: IB KR	
3. Legetøjsbyggesæt	DK2005PA00192 9 Feb 2005 (DK 2005 00192)	DK200500192 (A) 10 Aug 2006	DK2005PA00192 9 Feb 2005	Inver HENR	

Common Citation Document (CCD)

Handbook

User documentation and online help

<http://ccd.fiveipoffices.org/CCD-2.2.0/>

Manual

References

First time here?	
Basic definitions	
Patent classification	
Patent families	Patent families
DOCDB simple patent family	About patent families
INPADOC extended patent family	A patent family is a collection of patent applications covering the same or similar technical content.
Legal event data	The applications in a family are related to each other through priority claims.
Asian patent information	Patent families at the EPO
Events, training and publications	The EPO uses an automated process to build patent families based on applications' priority claims.
Patent information centres	Once the patent families are then indicated in the EPO's databases, examiners and editorial teams review them for accuracy based on the applications' technical content.
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	> INPADOC extended patent family
	A collection of patent applications covering similar technical content.

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Conclusion

What is a “patent family” is in ESPACEnet?

- DOCDB simple patent family
 - ✓ covering an invention
 - ✓ technical content is identical

- INPADOC extended family
 - ✓ covering a technology
 - ✓ technical content is similar but not the same

Conclusion

What is a “priority” in ESPACEnet?

- References to first filings
 - ✓ applications claimed under the Paris Convention
 - ✓ applications claimed for a continuation in part
- References to earlier applications
 - ✓ earlier domestic applications
 - ✓ earlier PCT applications

Questions



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