



Patent Classification

Advantages

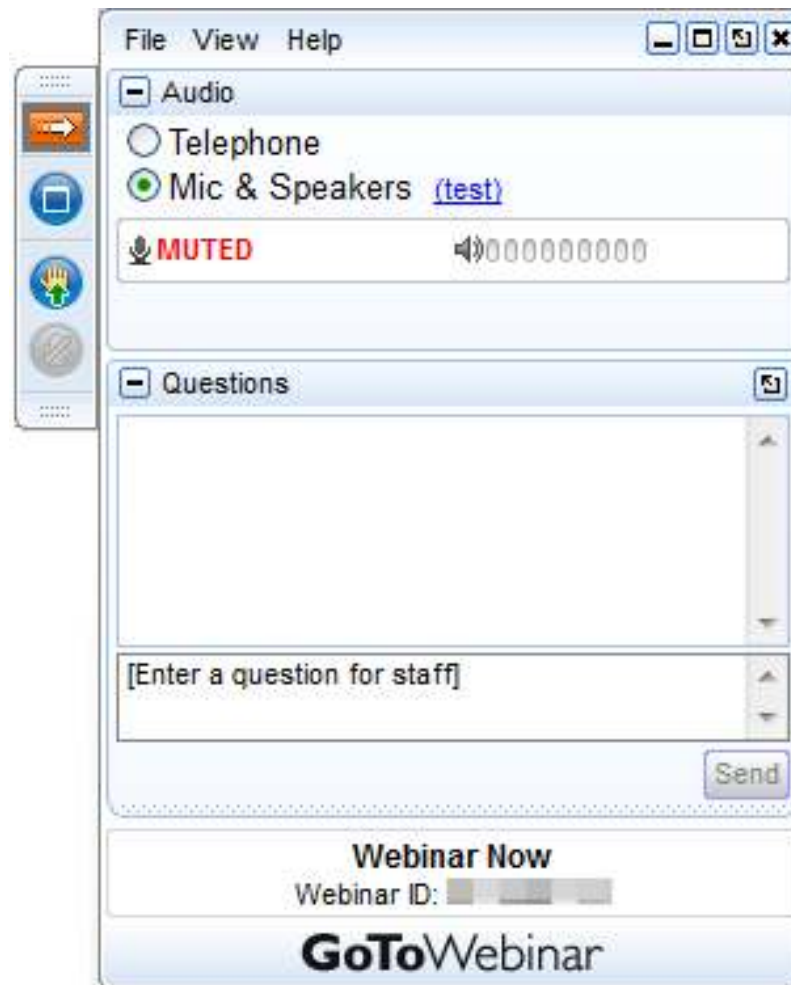
Monika Zikova
Project Officer

Webinar
July 11 and 12, 2013

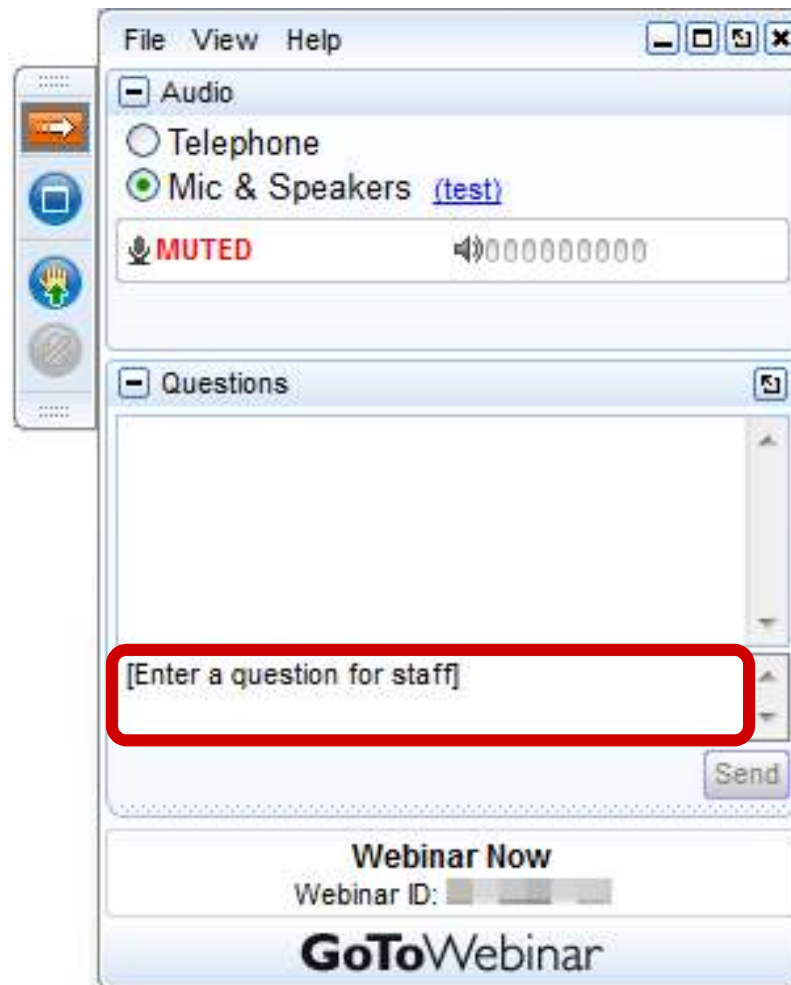
Overview

- Classification systems
- Classification of patents
- Advantages and disadvantages of patent classification

Webinar: Asking questions

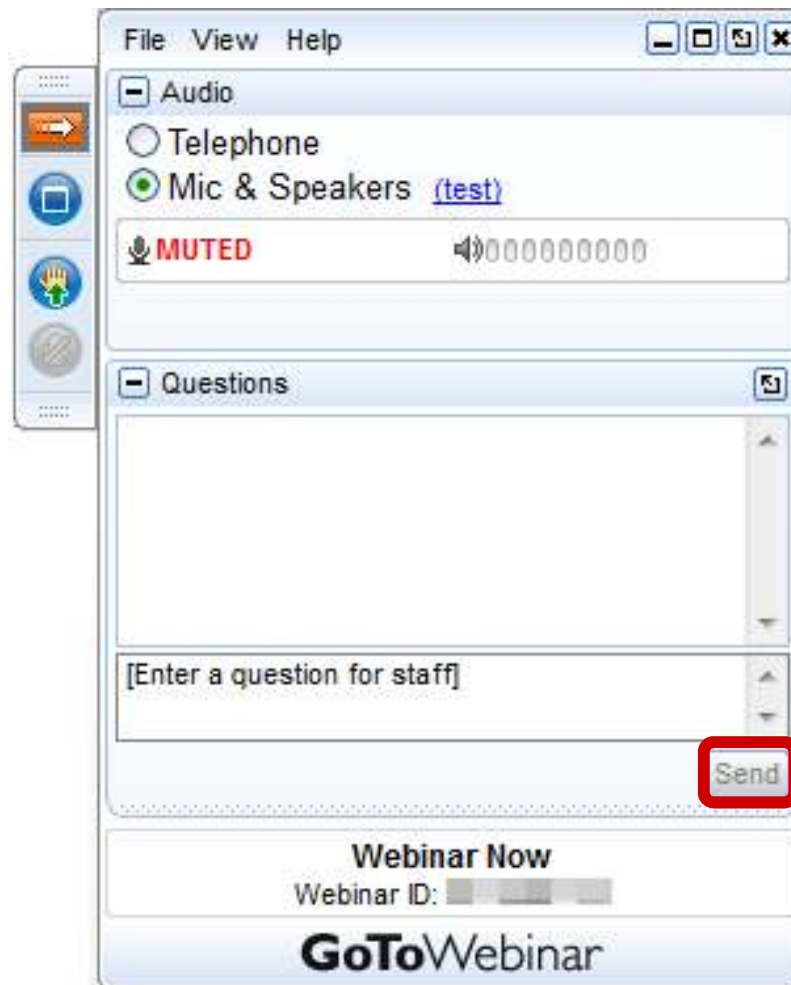


Webinar: Asking questions



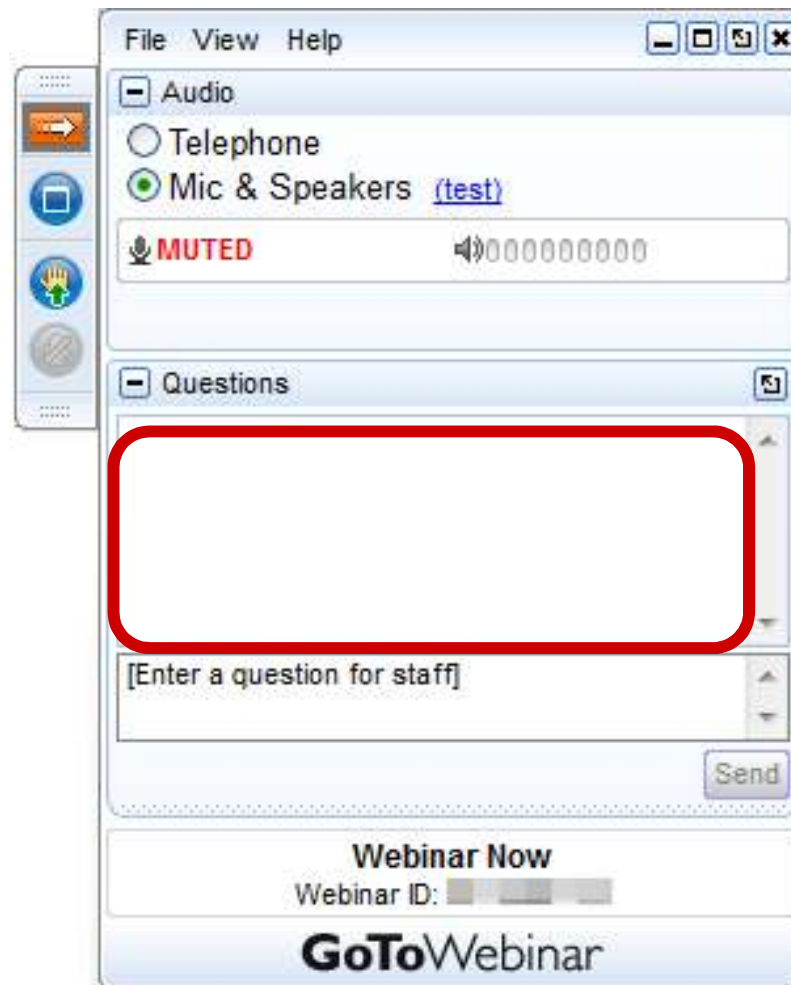
→ Enter your question

Webinar: Asking questions



→ Press "Send"

Webinar: Asking questions



→ See your questions and answers

Case example: Library



- You go to a library to do research on machine translation methods.
- How would you find books on this topic?

Searching by title: challenges

- Search books by title?
- Challenges:
 - Synonyms and related terms - ‘natural language processing’, ‘computational linguistic’ or ‘human language technology’
 - Technical jargon - ‘statistical inference algorithms’
 - Language barriers

DEWEY DECIMAL CLASSIFICATION SYSTEM

Main Classes and Selected Subdivisions

000's – General Works

Computers Journalism
Encyclopedias Manuscripts

100's – Philosophy

Psychology Ethics
Logic Learning

200's – Religion

Bible Church
Theology Other Religions

300's – Social Sciences

Sociology Law
Economics Education

400's – Languages

Grammar Reading Skills
Other Languages Dictionaries

500's – Pure Science

Mathematics Botany
Physics Chemistry

600's – Technology

Medicine Engineering
Business Agriculture

700's – The Arts

Architecture Photography
Drawing Music

800's – Literature

Poetry Essays
Drama Other Literature

900's – History

Travel Biography
General Geography

F – Fiction

J – Juvenile

R – Reference

SC – Story Collection

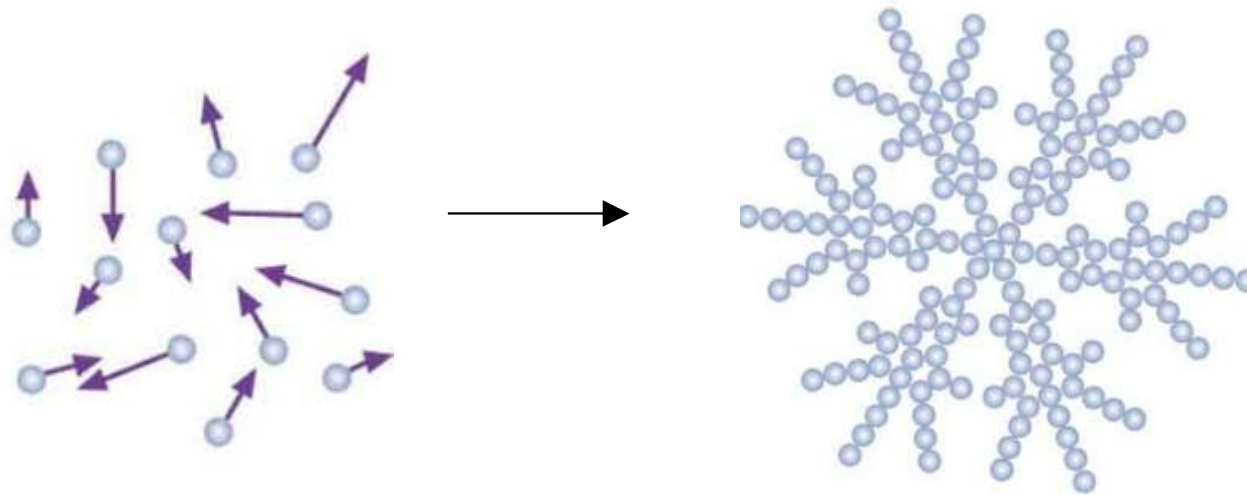
VT – Video Recordings

DVD – DVD Recording

0 Computer science, information & general works
00 Computer science, knowledge & systems
004.006 Special computer methods
004.006.35 Natural language processing: Special
Computer methods related to processing
of language

410.285 Linguistics, computational linguistics
combined with 418.02 Translating

Advantages of classification



- Simplify life
- Help to find information
- Serve as reference tool → generate knowledge

Classification of patents



Photo: IPO CZ

- Ordering and more efficient retrieval
- To help patent examiners and other users

Patent documents

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la Propriété Intellectuelle
Bureau international



(10) Numéro de publication internationale
WO 2012/152838 A1

(43) Date de la publication internationale
15 novembre 2012 (15.11.2012) WIPO | PCT

(51) Classification internationale des brevets :
G04B 27/02 (2006.01) G04B 19/25 (2006.01)
G04B 33/06 (2006.01)

(74) Mandataire : **BALLOT, Gabriel**; GLN S.A., Rue du Puits-Godet 8A, CH-2000 Neuchâtel (CH).

(81) États désignés (sauf indication contraire, pour tout titre de protection nationale disponible) : AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) États désignés (sauf indication contraire, pour tout titre de protection régionale disponible) : ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), eurasien (AM, AZ, BY, KG, KZ, RU, TJ, TM), européen (AL, 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, RS, SE, SI, SK, SM,

(21) Numéro de la demande internationale : PCT/EP2012/058562

(22) Date de dépôt international : 9 mai 2012 (09.05.2012)

(25) Langue de dépôt : français

(6) Langue de publication : français

(4) Données relatives à la priorité : 11165927.2 12 mai 2011 (12.05.2011) EP

(1) Déposant (pour tous les États désignés sauf US) : **MANUFACTURE LA JOUX-PERRET SA** [CH/CH]; Boulevard des Eplatures 38, CH-2300 La Chaux-de-Fonds (CH).

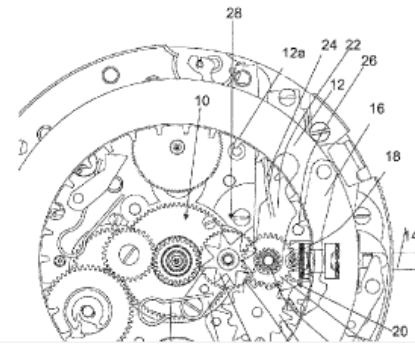
(72) Inventeur; et

(75) Inventeur/Déposant (pour US seulement) : **NOURISSON, Sylvain** [FR/FR]; 6 rue des Frères Rognon, F-25500 Morteau (FR).

[Suite sur la page suivante]

(54) Title : TIMEPIECE

(54) Titre : PIECE D'HORLOGERIE



(57) Abstract : The present invention relates to a timepiece comprising: a movement designed to provide an indication of the time and provided with a set of components for displaying the time, a mechanism for displaying the date, a control stem (14) accessible from outside the timepiece and able to actuate a system for correcting the indication of the time which acts on the set of components that display the time when said stem is in a first position, and is able to actuate a system for correcting the display of the date when said stem is in a second position. According to the invention, the control stem (14) is kinematically connected to the set of components for displaying the time or to the mechanism for displaying the date by a first mobile (20) borne by a first lever (22), said first mobile (20) being arranged so that it is driven by the control stem (14), and by a second mobile (28) borne by a second lever (29). Depending on the position of the second lever, the control stem is kinematically connected to the set of components for displaying the time or with the mechanism for displaying the date.

(51) Classification internationale des brevets :
G04B 27/02 (2006.01) G04B 19/25 (2006.01)
G04B 33/06 (2006.01)

Case example: Watches



Photo: Vacheron Constantin

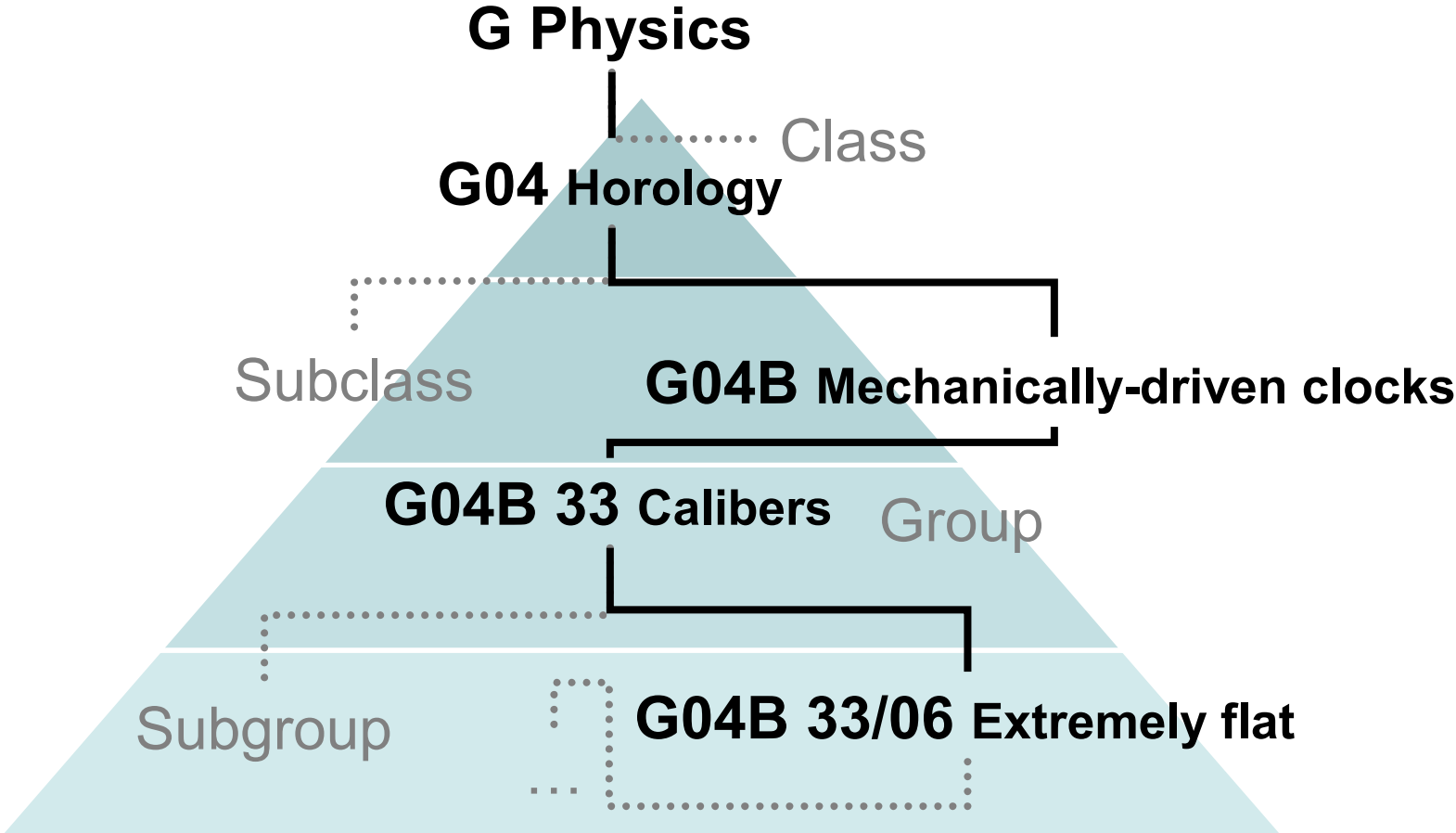


- Use International Patent Classification
- Locate and analyze classification code **G04B 33/06**
→ Extremely flat caliber watches

The structure of the IPC

- Section A – Human Necessities
- Section B – Performing Operations; Transporting
- Section C – Chemistry; Metallurgy
- Section D – Textiles; Paper
- Section E – Fixed Constructions
- Section F – Mechanical Engineering; Lighting; Heating; Weapons; Blasting
- Section G – Physics
- Section H – Electricity

The structure of the IPC



Layout of classification symbols

PHYSICS	HORLOGY	MECHANICALLY- DRIVEN CLOCKS	CALIBERS	/	FLAT CALIBERS
G	04	B	33	/	06
Section	Class	Subclass	Main Group		Sub-Group

IPC internet publication

The screenshot shows the WIPO IPC internet publication interface. At the top, the WIPO logo and 'IP SERVICES International Patent Classification (IPC) Official Publication' are visible. A search bar with a 'Search' button and a 'Français' language link are in the top right. Below the header, there are navigation tabs: 'Scheme', 'RCL', 'Compilation', 'Catchwords', and 'Corrigendum'. The main content area displays a list of sections from A to H, each with a corresponding title in orange text. On the left side, there are several interactive elements: a 'Version' dropdown set to '2013.01', a 'Current symbol' input field containing 'G04B' with a 'Go to' button below it, a 'Language' section with radio buttons for 'English' (selected), 'French', and 'English/French', a 'View mode' section with radio buttons for 'path', 'full' (selected), and 'hierarchic', a list of checkboxes for search filters (Standardized sequence, Deleted entries, Subclass indexes, Guidance Headings, Notes), a 'Search' section with 'Terms' and 'Cross-references' buttons, and an 'Assistance' section with a 'Text categorization (IPCCAT)' button. Three callout boxes point to specific elements: 'Symbol' points to the 'Current symbol' field, 'Terms search' points to the 'Terms' search button, and 'Text search' points to the 'Text categorization (IPCCAT)' button.

Symbol

Terms search

Text search

Scheme	RCL	Compilation	Catchwords	Corrigendum
A				
B				
C				
D				
E				
F				
G				
H				

<http://www.wipo.int/ipcpub>

Browsing the IPC



IP SERVICES

International Patent Classification (IPC) Official Publication

Français

Search

Contact us | Accessibility | Site map

WORLD INTELLECTUAL PROPERTY ORGANIZATION

IPC Home Page - Help

Scheme RCL Compilation Catchwords Corrigendum

Version

2013.01

Current symbol

Go to

Language

English

French

English/French

View mode

path

full

hierarchic

Standardized sequence

Deleted entries

Subclass indexes

Guidance Headings

Notes

Search

Terms

Cross-references

Assistance

Text categorization (IPCCAT)

	A	SECTION A — HUMAN NECESSITIES
	B	SECTION B — PERFORMING OPERATIONS; TRANSPORTING
	C	SECTION C — CHEMISTRY; METALLURGY
	D	SECTION D — TEXTILES; PAPER
	E	SECTION E — FIXED CONSTRUCTIONS
	F	SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; ARMS
	G	SECTION G — PHYSICS
	H	SECTION H — ELECTRICITY

Browsing the IPC

Bridges

Scher

- G
- G04
- G04B
- G04C
- G04D
- G04F
- G04G
- G04R

IPC National translations

- Chinese
- Dutch
- German
- Korean
- Spanish
- Polish

Patent databases

PATENTSCOPE

FR Esp@cenet

JPO IPDL

DEPATIS

Other classifications

USPC

FI/F-term

- Czech
- Estonian
- Japanese
- Serbian
- Slovak
- Portuguese

esp@cenet

USPTO

PAJ

SPD (SE)

CPC

Catchwords

WATCH(ES)

- bags or purses combined with WATCH(ES) **A45C 15/08**
- electromechanical WATCH(ES) **G04C**
- electronic WATCH(ES) **G04G**
- mechanical WATCH(ES) **G04B**
- tools for WATCH(ES) makers **G04D**
- WATCH(ES) cases or guards **A45C 11/10**
- WATCH(ES) crystals or clock glasses **G04B 39/00**

HES; MECHANICAL PARTS OF CLOCKS OR WATCHES IN GENERAL; TIME-PIECES OR STARS (spring- or weight-driven mechanisms in general **F03G**; electromechanical clocks or or built-in means operating any device at preselected times or after predetermined time intervals **G04C** structural details or housings specially adapted for electronic time-pieces with no moving parts **G04G**)

ES (mechanical parts of clocks or watches in general **G04B**, electronic time-pieces with no moving parts **G04G**)

ED FOR MAKING OR MAINTAINING CLOCKS OR WATCHES (machine tools in general **B23**, characteristics **G01R**, e.g. **G01R 29/02**; in radar or like systems **G01S**; masers **H01S 1/00**; generation frequency dividing **H03K**; analogue/digital conversion in general **H03M 1/00**) [2]

Definitions

PDF, Subclasses

G04R - Definition II

Informative references

Attention is drawn to the following places, which may be of interest for search:

Electronic time-pieces integrated with input or output devices using radio waves	G04G 21/04
--	------------

G04 ROBOLOGY	
MECHANICALLY-DRIVEN CLOCKS OR WATCHES; MECHANICAL PARTS OF CLOCKS OR WATCHES IN GENERAL; TIME-PIECES USING THE POSITION OF THE SUN, MOON, OR STARS (spring- or weight-driven mechanisms in general F03G; electro-mechanical clocks with attached or built-in means operating any device at preselected times or after predetermined time intervals G04C; clocks or watches with any device G04D; structural details or housings specially adapted for electronic time-pieces with no moving parts G04G)	
This subclass (G04B) mechanically-driven calendar clocks or clockwork calendars, and the mechanical part of such clocks or calendars.	
DEFINITIONS: HAVAMM	1/00
MICROING	2700
Normal, automatic, combined	2000, 31/00
Supervisory; reading parts	7/00, 11/00
STACK MOVEMENT	41/00, 43/00
Equipment; frequency division; setting; frequency part; work; adjusting thereof	1/00, 17/00
TIME SETTING	2700
FRAMES/WORKS; SUPPORTS; CALIBERS	20/00, 31/00, 33/00
PROTECTION OF CLOCKWORK	41/00, 43/00
Cases, crystals, glass, other	37/00, 39/00
protective means	41/00, 43/00
UNUSUAL CLOCKS	45/00, 47/00, 49/00

IPC Home Page - Help

Version

2013.01

Current symbol

G04B 33/06

Go to

Language

English

French

English/French

View mode

path

full

hierarchic

Standardized sequence

Deleted entries

Subclass indexes

Guidance Headings

Notes

Search

Terms

Cross-references

Assistance

Text categorization (IPCCAT)

Number of displayed entries

500

Last modified: 2013.06.28

Prepared with IPCPUBPREP

Scheme	RCL	Compilation	Catchwords	Corrigendum
G04B 23/08				
G04B 23/10				
G04B 23/12				
G04B 25/00				
G04B 25/02				
G04B 25/04				
G04B 25/06				
G04B 27/00				
G04B 27/02				
G04B 27/04				
G04B 27/06				
G04B 27/08				
Frameworks, supports, or arrangements of the clockwork parts in relation to each other, so-called "calibers"				
G04B 29/00				
G04B 29/02				
G04B 29/04				
G04B 31/00				
G04B 31/004				
G04B 31/008				
G04B 31/012				
G04B 31/016				
G04B 31/02				
G04B 31/04				
G04B 31/06				
G04B 31/08				
G04B 33/00				
G04B 33/02				
G04B 33/04				
G04B 33/06				
G04B 33/08				

Calibers

- Circular calibers
- Non-circular calibers
- of extremely flat shape

Results 1-10 of 3,562 for Criteria:FP:(watches) Office(s):all Language:EN Stemming: true

prev 1 2 3 4 5 6 7 8 9 10 next Page:1 / 357 Go >

Refine Search FP:(watches)

Analysis

Options Table Graph Options bar pie

Countries		Main IPC		Main Applicant		Main Inventor		Pub Date	
Name	No	Name	No	Name	No	Name	No	Date	No
United States	1635	G04B	1046	LG ELECTRONICS INC.	150	TOMA TADAMASA	11	2003	136
Republic of Korea	840	H04N	641	SAMSUNG ELECTRONICS CO., LTD.	84	HENRI COLOMB	8	2004	167
Japan	590	G06F	397	SAEWOO ELECTRONICS CORPORATION	38	KOBAYAKAWA YOSHI	7	2005	178
European Patent Office	218	G04C	157	SONY CORP	26	DVORNIKOV VLADIMIR DMITRIEVICH	6	2006	192
PCT	202	G04G	157	EC CORP	25	HEINRICH STAMM	6	2007	159
Russian Federation	40	A44C	153	EC CORP	25	Karr Lawrence J.	6	2008	118
Russian Federation (USSR data)	16	H04B	149	ATSUSHITA ELECTRIC IND CO LTD	25	DAMASKO KONRAD	5	2009	164
Israel	7	G06Q	123	ANON INC	24	KAMEN YAKOV	5	2010	129
Mexico	6	G04D	96	SAEWOO ELECTRONICS CO., LTD.	22	KARR LAWRENCE J.	5	2011	133
Singapore	4	H04L	90	Microsoft Corporation	17	Knudson Edward B.	5	2012	102
								2013	9

Sort by: Pub Date Desc View All List Length 10 Machine translation

No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
1:	WO	WO/2013/100395 - APPARATUS AND METHOD FOR PROVIDING AN ADVERTISEMENT BY USING AN INSTANT COUPON	04.07.2013	G06Q 30/02	PCT/KR2012/010105	BAEK, Seung-Cheol	BAEK, Seung-Cheol

Other patent classification systems

- File Index (FI)/F-terms
 - Japan
- Cooperative Patent Classification (CPC)
 - EPO, USA, UK, Spain, Sweden, China
- Commercial database producers
 - e.g. Derwent Classification System

Advantages of patent classification

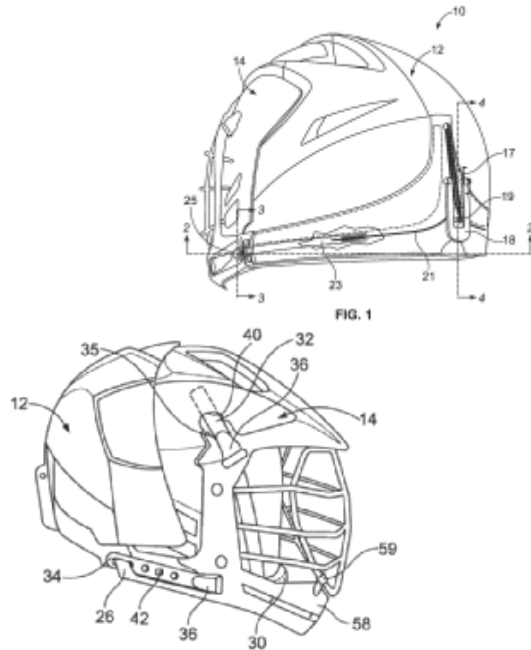
- Applied in a standardized manner
- Available for all (almost) patent documents
- Available for old patent documents for which little or no searchable text is available

Patent classification vs. keywords

- Terminology and jargon independent
(including changes in terms used over time)
- Context and language independent

→ A more complete and precise search

Case Example: Helmets



- Search in PATENTSCOPE all WO documents
- Compare keyword and classification search

- Search in PATENTSCOPE all WO documents with keyword 'helmet*'

Quick keyword search

The screenshot shows the WIPO PATENTSCOPE search interface. At the top left is the WIPO logo, consisting of the letters 'WIPO' and a stylized blue globe icon. To the right of the logo is the text 'PATENTSCOPE' in a bold, sans-serif font. Below this, a horizontal line separates the header from the main content. Underneath the line, the text 'Search International and National Patent Collections' is displayed. A dark blue navigation bar contains the text 'WORLD INTELLECTUAL PROPERTY ORGANIZATION' in white. Below this bar is a lighter blue navigation menu with the following items: 'Search', 'Browse', 'Translate', 'Options', 'News', 'Login', and 'Help'. The breadcrumb trail 'Home > IP Services > PATENTSCOPE' is visible below the navigation menu. The main search area is titled 'Simple Search' and contains a paragraph of text: 'Using PATENTSCOPE you can search 30 million patent documents including 2.2 million published international patent applications (PCT). Detailed coverage information can be found here (->)'. Below this text is a search input field with a dropdown menu on the left showing 'Front Page' and a search box containing the text 'helmet*'. To the right of the search box is a blue button with a white question mark icon. Further right is the text 'Office: PCT' and a blue 'Search' button.

WIPO **PATENTSCOPE**

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search | Browse | Translate | Options | News | Login | Help

Home > IP Services > PATENTSCOPE

Simple Search

Using PATENTSCOPE you can search 30 million patent documents including 2.2 million published international patent applications (PCT). Detailed coverage information can be found here (->)

Front Page Office: PCT



PATENTSCOPE

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search | Browse | Translate | Options | News | Login | Help

Home > PATENTSCOPE

Results: 10 of 1,173 for Criteria:FP:(OF: WO AND helmet*) Office(s):wo Language:EN Stemming: true

Page: 1 / 118 Go >

Refine Search FP:(OF: WO AND helmet*) Search RSS

Analysis

Sort by: Pub Date Desc View All List Length 10

No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
1.	WO	WO/2013/097943 - SAFETY HELMET, IN PARTICULAR FOR CYCLISTS	04.07.2013	A42B 3/32	PCT/EP2012/005380	MAIER, Marzell	MAIER, Marzell
<p>The invention concerns a safety helmet, in particular for cyclists, which includes a self-contained portable semi-shell helmet (H), on which an integral part (1) enclosing the chin and the occiput/neck area can be fixed in a detachable way. The semi-shell helmet (H) is equipped as a self-contained helmet with a chin strap fastening and all that belongs to known helmets. This hence enables, depending on the intended use, only to wear the upper helmet part or the assembled integral helmet.</p>							
2.	WO	WO/2013/098454 - SIGNALLING EQUIPMENT FOR MOTORCYCLE USERS	04.07.2013	B62J 3/00	PCT/ES2012/070913	LOBATO RAPOSO, Francisco Javier	LOBATO RAPOSO, Francisco Javier
<p>The invention relates to signalling equipment for motorcycle users, in which the equipment is any element worn by the user, such as jackets, trousers, boots, helmets or gloves, which includes at least the following built-in elements: signalling elements (5), a microcontroller (3), a wireless receiver element (2) and a photovoltaic fabric (6), wherein at least one wireless transmitter element (1) in contact with a switch of the signal of the motorcycle to be activated sends a signal to the wireless receiver element (2), ordering the microcontroller (3) to activate the signalling elements (5). The equipment can also comprise a battery (7) and an element for connecting to the mains (8) as a complement for the photovoltaic fabric (6).</p>							
3.	WO	WO/2013/096384 - HEADGEAR ACCESSORY ATTACHMENT APPARATUS	27.06.2013	A42B 1/24	PCT/US2012/070496	BRYAN FAMILY ENTERPRISES, LLC	BRYAN, Teresa, A.
<p>A headgear accessory attachment apparatus includes a band having an adjustable size for fitting about a circumference of various outdoor sports helmets such as bicycle, skateboarding, snow sport, mountaineering, equestrian helmets, military helmets, and hard hats used in material moving, dock loading, and airport baggage handling. The accessory attachment apparatus provides the wearer an easy means to attach headgear accessories such as headlamps, helmet cameras, rear lights, goggles, visors, brims, and decorative embellishments to the helmet. The accessories may be permanently or temporarily secured to the accessory apparatus. In one headgear accessory attachment apparatus, the band includes a stop surface that opposes a bottom surface of the headgear when the apparatus is affixed to the headgear such that the apparatus is prevented from becoming dislodged during use.</p>							

INTERCHANGEABLE LENS
GOOGLE ADAPTABLE TO
PREVENT FOGGING

David



20130091623 - GOGGLE WITH
EASILY INTERCHANGEABLE
LENS THAT IS ADAPTABLE FOR
HEATING TO PREVENT
FOGGING

18.04.2013 A61F 9/02 13587908

McCulloch David

McCulloch
David

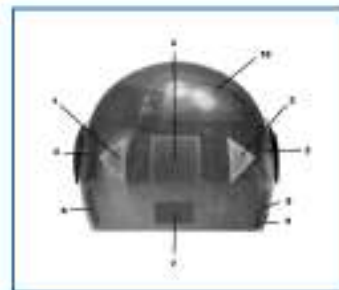


20130093586 - MOTORCYCLE
HELMET WITH ELECTRONIC
SAFETY FEATURES

18.04.2013 B600 1/04 13274008

AMBANI Amar Vimal

AMBANI Amar
Vimal

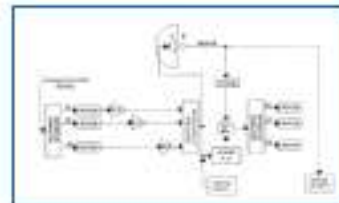


20130094057 - METHOD AND
DEVICE FOR IMPROVING THE
AUDIBILITY, LOCALIZATION AND
INTELLIGIBILITY OF SOUNDS,
AND COMFORT OF
COMMUNICATION DEVICES
WORN ON OR IN THE EAR

18.04.2013 G16K 1/16 13650517

UNIVERSITY OF
CONNECTICUT

BRAMMER
Anthony John



- Search in PATENTSCOPE all WO documents with IPC code for helmets
 - Find the best IPC available
 - Use IPC code in your search

Finding the 'right' code

WIPO IP SERVICES International Patent Classification (IPC) Official Publication

WORLD INTELLECTUAL PROPERTY ORGANIZATION

IPC Home Page - Help

Version
2013.01

Current word
HARROWS

Language
 English
 French

Search

Last modified: 2013.06.28

Prepared with IPCPUBPREP v 3.3

Scheme RCL Compilation **Catchwords** Corrigendum

making HELICES by coiling wire [B21F 3/00](#)
spiral or helical conveyers [B65G 33/00](#)

HELICOPTERS [B64C 27/04](#)
landing stages for HELICOPTERS [E01F 3/00](#)

HELIOGRAPHS [G08B 5/00](#)


HELIUM [C01B 23/00](#)

HELMETS [A42B 3/00](#)
armoured HELMETS; steel HELMETS [F41H 1/04](#)
clear view sheets for HELMETS [A62D 7/00](#)
compositions for transparent parts of HELMETS [A62D 7/00](#)
covers for HELMETS [A42B 5/00](#)
gas HELMETS [A62B 18/04](#)
HELMETS for diving [B63C 11/12](#)
HELMETS for hair drying [A45D 20/20](#), [A45D 20/22](#), [A45D 20/44](#)
HELMETS for swimming [A63B 33/00](#)
manufacturing HELMETS by processes not otherwise provided for [A42C 2/00](#)

HELTER-SKELTERS [A63G 21/00](#)

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Quick classification search


WIPO  **PATENTSCOPE** [Mobile](#) | [Deutsch](#) | [Español](#) | [Français](#) | [日本語](#) | [한국어](#) | [Português](#) | [Русский](#) | [中文](#)

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

[Search](#) | [Browse](#) | [Translate](#) | [Options](#) | [News](#) | [Login](#) | [Help](#)

Home > IP Services > PATENTSCOPE

Field Combination 

Front Page	=	
AND WIPO Publication Number	=	
AND Application Number	=	
AND Publication Date	=	
AND English Title	=	
AND English Abstract	=	
AND Applicant Name	=	
AND International Class	=	A42B 3/00
AND Inventor Name	=	
AND Office Code	=	WO
AND English Description	=	
AND English Claims	=	
AND Licensing availability	=	<input type="checkbox"/>
AND Inventor Name	Is Empty:	<input checked="" type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No

Language: English Stem: Office: PCT [Specify](#)

976 results [Search](#) [Reset](#)

[\(+\)](#) Add another search field | [\(-\)](#) Reset search fields [Tooltip Help](#)

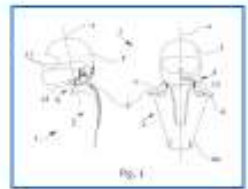
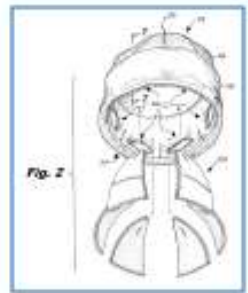
Sample results

WO/2013/039552 -
FORM-FITTING
PROTECTIVE
HEADWEAR

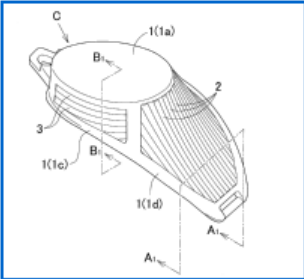
WO/2013/030852 -
DEVICE FOR
PROTECTING THE
CERVICAL
VERTEBRAE

WO/2013/029345 -
SPACE
ADJUSTMENT
DEVICE AND HEAD
MASSAGER

WO/2013/039552 - FORM-FITTING PROTECTIVE HEADWEAR	21.03.2013	A42B 3/06	PCT/US2012/020794	CLEVA, Robert, E.	CLEVA, Robert, E.
WO/2013/030852 - DEVICE FOR PROTECTING THE CERVICAL VERTEBRAE	07.03.2013	A42B 3/04	PCT/IT2012/000265	MAKO SHARK SRL	BONOMEILLI Federico
WO/2013/030858 - DEVICE FOR PROTECTING THE CERVICAL VERTEBRAE	07.03.2013	A42B 3/04	PCT/IT2012/000265	MAKO SHARK SRL	BONOMEILLI Federico
WO/2013/029345 - SPACE ADJUSTMENT DEVICE AND HEAD MASSAGER	07.03.2013	A61H 3/00	PCT/CN2012/070581	NI, Guoqing	NI, Guoqing

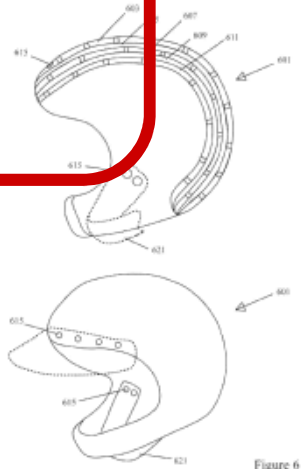


WO/2013/069585 -
FLUID
RESISTANCE-
REDUCING
STRUCTURE AND
FACE OR HEAD
WEAR USING SAID
STRUCTURE



WO/2013/030600 -
HEAD SUPPORT
DEVICE

WO/2013/013180 -
BIOMECHANICS
AWARE
PROTECTIVE GEAR



Results 1-10 of 976 for Criteria:OF:WO AND IC:"A42B 3/00" Office(s):all Language:EN Stemming:off

prev 1 2 3 4 5 6 7 8 9 10 next

Refine Search OF:WO AND IC:"A42B 3/00" Search RSS

Analysis

Sort by: Relevance View: Simple List Level

No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
1.	WO	WO/2012/071802 - ADJUSTABLE HELMET AND MASSAGER	07.06.2012	A42B 3/00	PCT/CN2011/070861	SHENZHEN BREO TECHNOLOGY CO., LTD.	MA, Xuejun
2.	WO	WO/1997/008967 - HEAD PROTECTOR	13.03.1997	A42B 3/00	PCT/AU1996/000553	GEORGE, Isla, Kaylene	GEORGE, Isla, Kaylene
3.	WO	WO/2011/131812 - PROTECTIVE HELMET	27.10.2011	A42B 3/00	PCT/ES2011/070226	MARTINEZ MAÑOGIL, José	MARTINEZ MAÑOGIL, José
4.	WO	WO/2006/014823 - FLEXIBLE RATCHET MECHANISM FOR THE HEADBAND OF PROTECTIVE HEADGEAR	09.02.2006	A42B 3/00	PCT/US2005/026136	E.D.BULLARD COMPANY	BIELEFELD, Eric
5.	WO	WO/2006/026690 - RATCHET MECHANISM WITH UNITARY KNOB AND PINION CONSTRUCTION	09.03.2006	A42B 3/00	PCT/US2005/031035	E.D. BULLARD COMPANY	BIELEFELD, Eric
6.	WO	WO/2009/066311 - HEADGEAR WITH COOLING AND HEATING EFFECT	28.05.2009	A42B 3/00	PCT/IN2008/000459	KOSHY, George	KOSHY, George
7.	WO	WO/2010/123797 - APPARATUS FOR PREVENTING HEAD OR NECK INJURY USING MAGNETIC ASSISTANCE	28.10.2010	A42B 3/00	PCT/US2010/031557	BERRY, Bret, M.	BERRY, Bret, M.
8.	WO	WO/2011/140415 - HEAD PROTECTION SYSTEM	10.11.2011	A42B 3/00	PCT/US2011/035467	SALKIND, Michael	SALKIND, Michael

240 documents have neither 'helmet*' nor 'headgear'

Disadvantages of patent classification

- Potentially complex
- May **not** be
 - detailed enough for all areas of technology
 - available for all documents
 - specific enough for a particular search
 - applied consistently

eTutorial on Patent Information

Using And Exploiting Patent Information > Patent Basics

This section will cover all the basic knowledge learners will need to acquire around patents, patent applications and the basic elements of a patent search. Select a tutorial or scenario.

Tutorials

- What Is A Patent? Not Started
- Patent Granting And Publication Not Started
- Elements Of A Patent Application Started
The elements of a patent application and how they can be used in a search. **START**
- Elements Of A Search Report Not Started
- The Bigger Picture – Citations And Patent Families Not Started

Scenarios

- To Patent Or Not To Patent? Not Started
- Getting Started With Searching Not Started

Home Phone Tablet ?

Using And Exploiting Patent Information > Patent Basics > Elements Of A Patent Application

Classification of patents

Like library books, patents use classification systems to make searching easier. These include the **International Patent Classification (IPC)** which has over 70,000 classifications and is used in over 100 countries. Patent examiners apply classifications as they review applications.

G01N 33/463 --- Physical analysis of biological material [4]
G01N 33/467 --- of liquid biological material [4]
G01N 33/468 --- blood [4]
G01N 33/469 --- urine [4]
G01N 33/487 --- of gaseous biological material, e.g. breath [4]
G01N 33/50 --- Chemical analysis of biological material, e.g. blood, immunological involving enzymes or micro-organisms, enzymological processes C12G [4]

Notes:
In the group, the following expression is used with the prefix "involving", when used in relation to a material, and

Notes:
In groups G01N 33/52-G01N 33/99, in the absence of a



If the application relates generally to the physical analysis of biological material, the examiner will apply G01N 33/463.

Select Next to find out how classifications can help you search.

Home Phone Tablet ? Back Page 13 of 15 Next

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

<http://www.wipo.int/tisc/en/etutorial.html>

Useful links and resources

- To know further about IPC, please read Guide to the International Patent Classification at www.wipo.int
- To learn about CPC, please check www.cpcinfo.org
- For patent classification in general:
- Regional/National patent offices, Intellogist, The British Library etc.

For more about efficient use
of patent classification
stay tuned!

For general information, please contact
tisc@wipo.int

And now, it's time for questions!

