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Clasificación de patentes

Estructura y uso

Seminario web
23 de octubre
2014

Alejandro Roca Campaña
Director principal, División de acceso al conocimiento y la información

Panorama general

- Enfoques para determinar la manera apropiada de utilizar la clasificación de patentes
- Examen de la estructura de la clasificación de patentes (CIP) y su publicación

Caso hipotético

- Una empresa de material de construcción le ha pedido que seleccione tecnologías de aislamiento térmico para viviendas.

Fuente: Andrew Dunn (foto superior), Radomil (Wikipedia PL) (foto inferior)

Caso hipotético

- Usted decide utilizar la clasificación de patentes para señalar las tecnologías pertinentes.

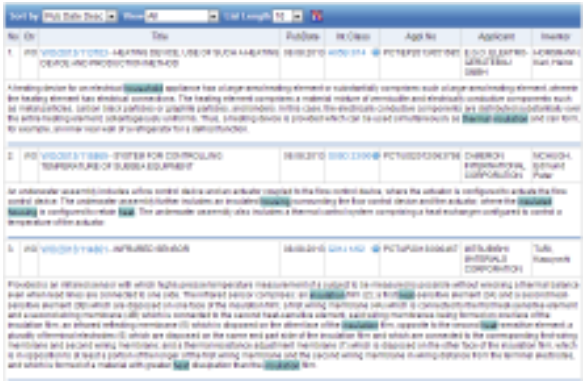
Ventajas de la clasificación de patentes

- Se aplica de manera estandarizada
- Disponible para (casi) todos los documentos de patente
- Disponible para antiguos documentos de patente respecto de los que se dispone de escaso texto susceptible de búsqueda, si es que lo hay

Enfoques

- Examinar cada uno de los documentos
- Analizar series de documentos
- Remitirse a la publicación de la clasificación de patentes

Examen de cada documento



→ Recuperar documentos (búsqueda de palabras clave)

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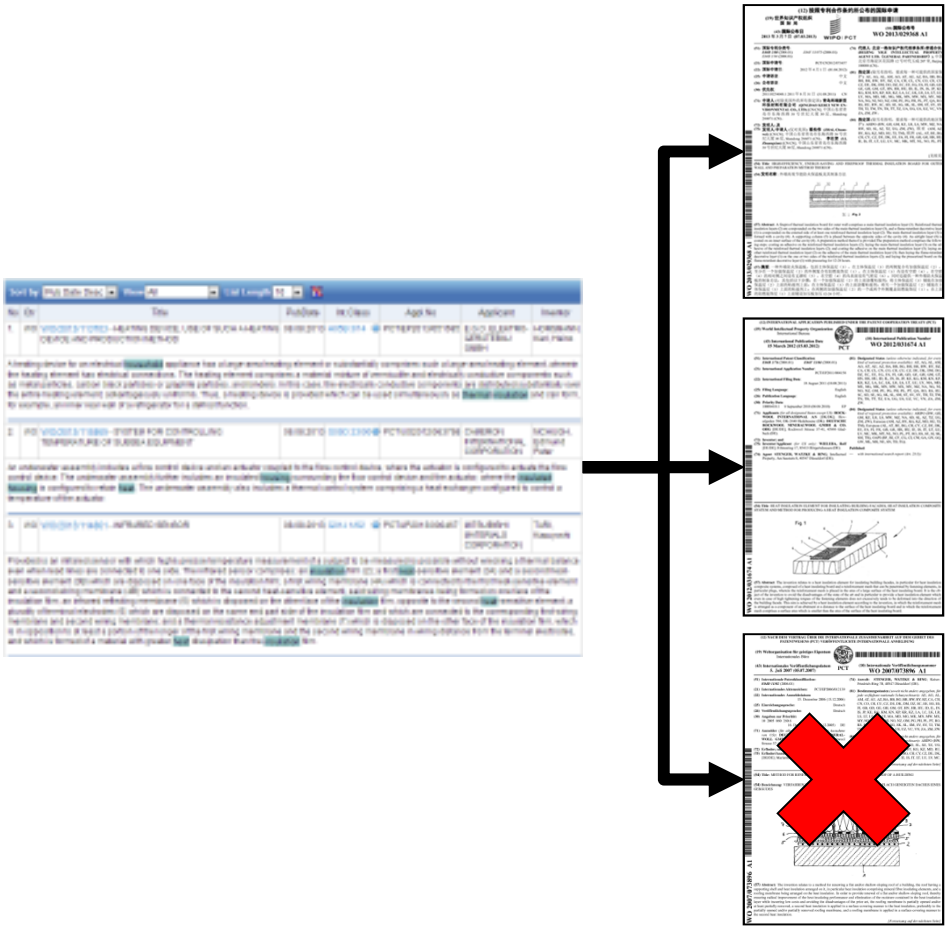
Examen de cada documento



→ Seleccionar los documentos pertinentes

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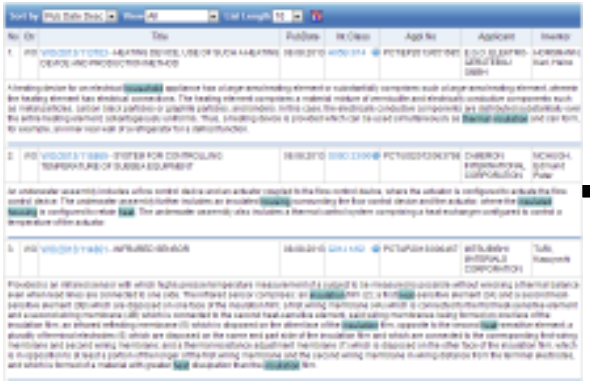
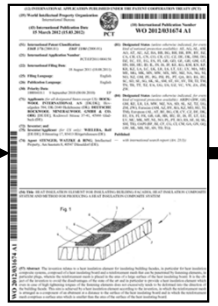
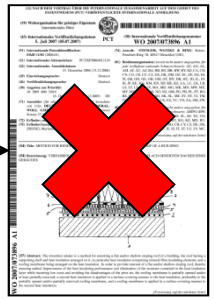
Examen de cada documento



(51) **International Patent Classification:**
E04B 1/76 (2006.01) ***E04F 13/04*** (2006.01)

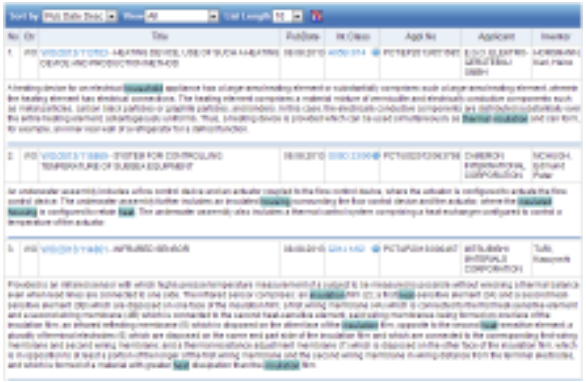


(51) **国际专利分类号**:
E04B 1/80 (2006.01) *E04F 13/075* (2006.01)
E04B 1/94 (2006.01)



→ Tomar nota de los símbolos de clasificación de los documentos pertinentes

Series de documentos



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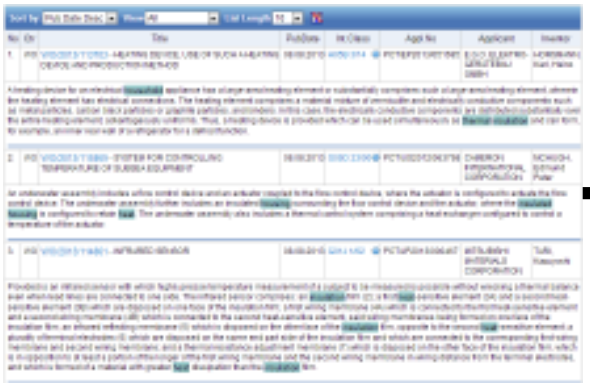

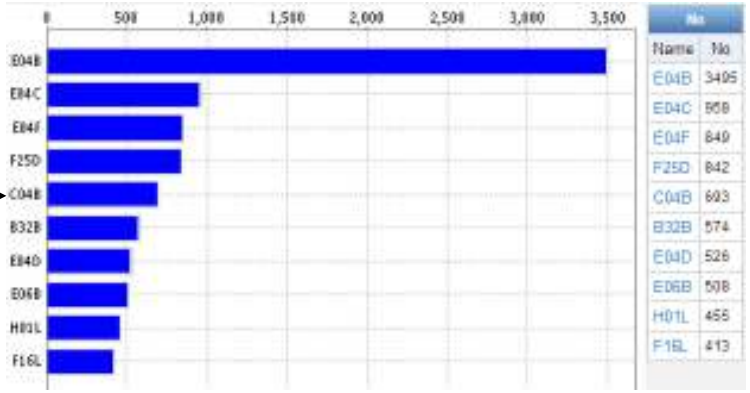

→ Analizar estadísticamente todos los documentos recuperados, o…

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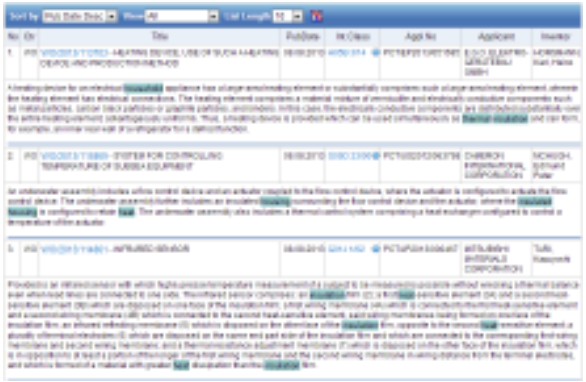
Series de documentos



→ Recuperar documentos (búsqueda de palabras clave)

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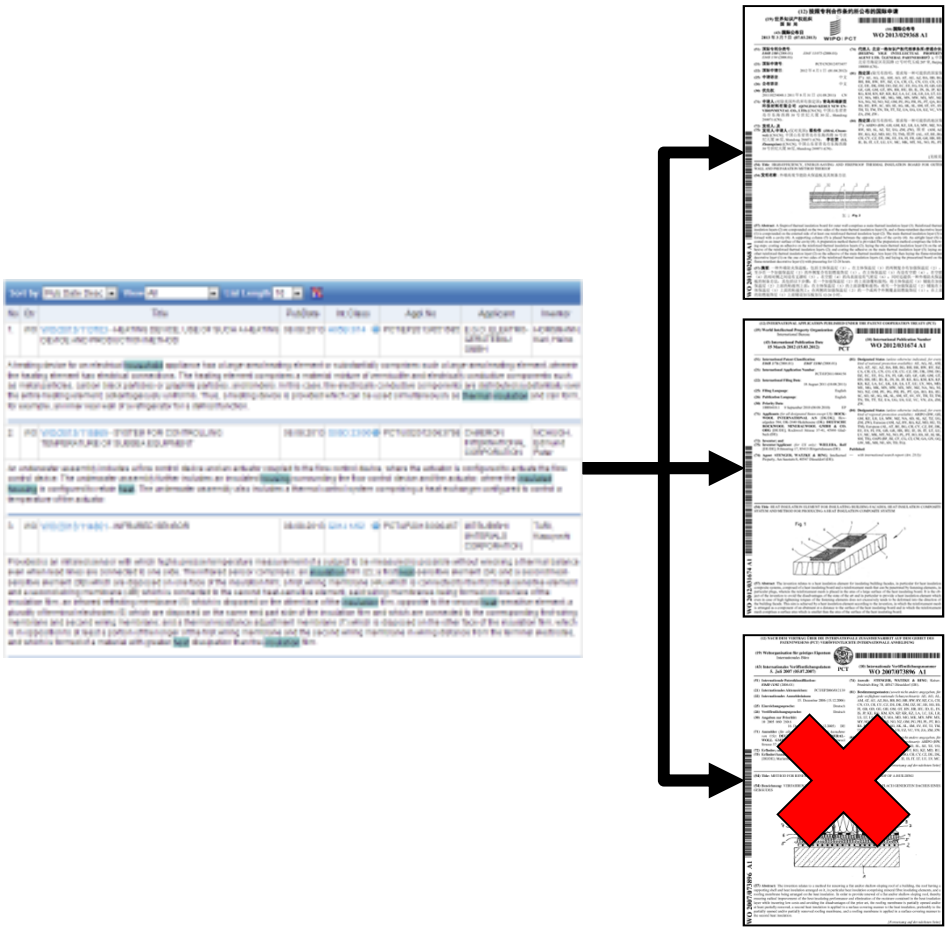
Examen de cada documento



→ Seleccionar los documentos pertinentes

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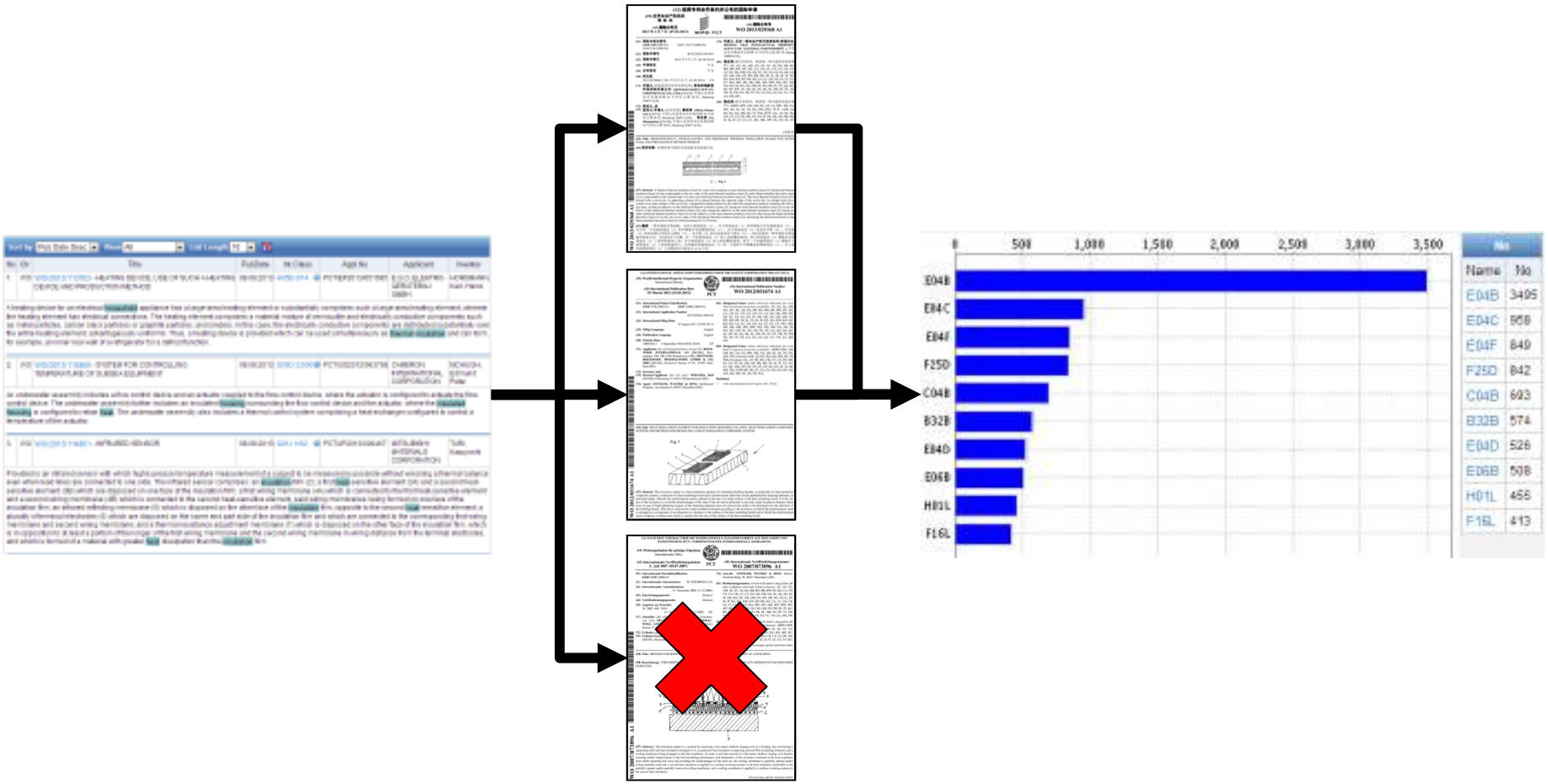
Series de documentos



→ Analizar estadísticamente los documentos pertinentes

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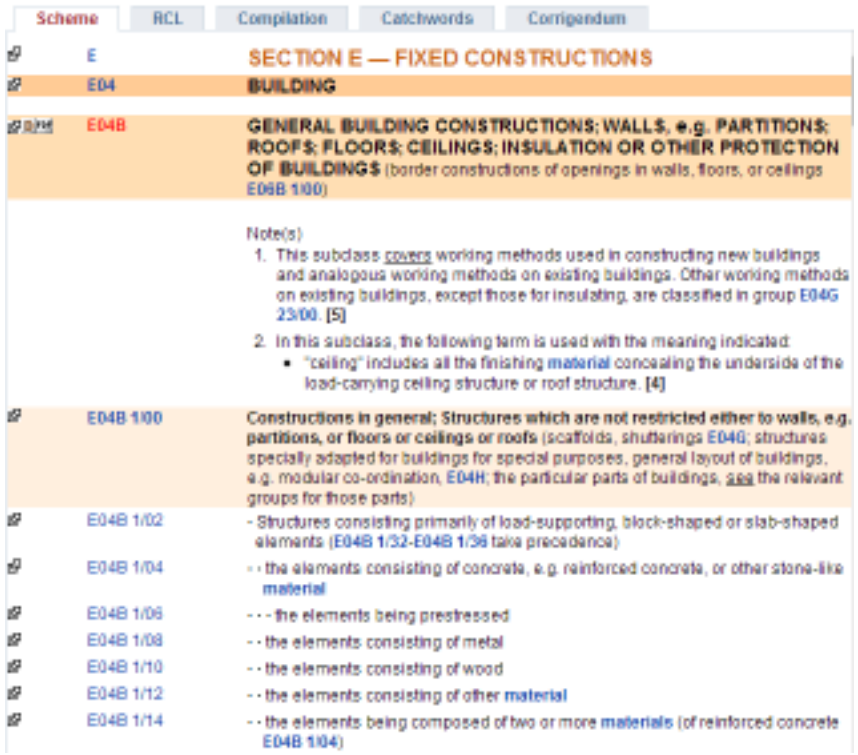
Publicación de la clasificación (CIP)

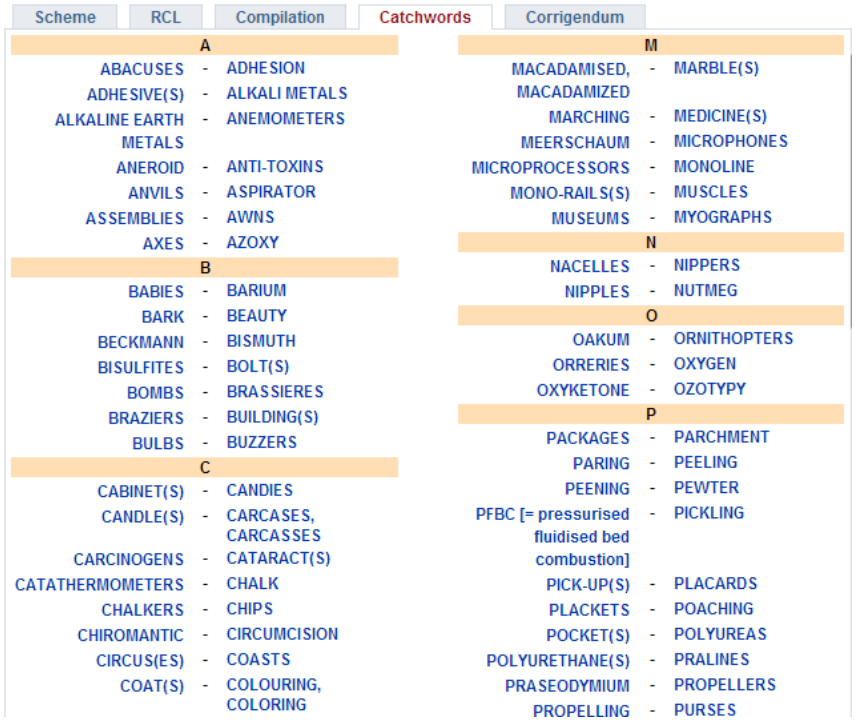
Esquema



Scheme | RCL | Compilation | Catchwords | Corrigendum

E	SECTION E — FIXED CONSTRUCTIONS
E04	BUILDING
E04B	GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS (border constructions of openings in walls, floors, or ceilings E06B 1/00)
	Note(s) 1. This subclass covers working methods used in constructing new buildings and analogous working methods on existing buildings. Other working methods on existing buildings, except those for insulating, are classified in group E04G 23/00. [5] 2. In this subclass, the following term is used with the meaning indicated: • "ceiling" includes all the finishing material concealing the underside of the load-carrying ceiling structure or roof structure. [4]
E04B 1/00	Constructions in general; Structures which are not restricted either to walls, e.g. partitions, or floors or ceilings or roofs (scaffolds, shutterings E04G; structures specially adapted for buildings for special purposes, general layout of buildings, e.g. modular co-ordination, E04H; the particular parts of buildings, see the relevant groups for those parts)
E04B 1/02	- Structures consisting primarily of load-supporting, block-shaped or slab-shaped elements (E04B 1/32-E04B 1/38 take precedence)
E04B 1/04	- - the elements consisting of concrete, e.g. reinforced concrete, or other stone-like material
E04B 1/06	- - - the elements being prestressed
E04B 1/08	- - the elements consisting of metal
E04B 1/10	- - the elements consisting of wood
E04B 1/12	- - the elements consisting of other material
E04B 1/14	- - the elements being composed of two or more materials (of reinforced concrete E04B 1/04)

Palabras clave



Scheme | RCL | Compilation | Catchwords | Corrigendum

A			**M**		
ABACUSES	-	ADHESION	MACADAMISED, MACADAMIZED	-	MARBLE(S)
ADHESIVE(S)	-	ALKALI METALS	MARCHING	-	MEDICINE(S)
ALKALINE EARTH METALS	-	ANEMOMETERS	MEERSCHAUM	-	MICROPHONES
ANEROID	-	ANTI-TOXINS	MICROPROCESSORS	-	MONOLINE
ANVILS	-	ASPIRATOR	MONO-RAILS(S)	-	MUSCLES
ASSEMBLIES	-	AWNS	MUSEUMS	-	MYOGRAPHS
AXES	-	AZOXY	**N**		
B			NACELLES	-	NIPPERS
BABIES	-	BARIUM	NIPPLES	-	NUTMEG
BARK	-	BEAUTY	**O**		
BECKMANN	-	BISMUTH	OAKUM	-	ORNITHOPTERS
BISULFITES	-	BOLT(S)	ORRERIES	-	OXYGEN
BOMBS	-	BRASSIERES	OXYKETONE	-	OZOTYPY
BRAZIERS	-	BUILDING(S)	**P**		
BULBS	-	BUZZERS	PACKAGES	-	PARCHMENT
C			PARING	-	PEELING
CABINET(S)	-	CANDIES	PEENING	-	PEWTER
CANDLE(S)	-	CARCASES, CARCASSES	PFBC [= pressurised fluidised bed combustion]	-	PICKLING
CARCINOGENS	-	CATARACT(S)	PICK-UP(S)	-	PLACARDS
CATATHERMOMETERS	-	CHALK	PLACKETS	-	POACHING
CHALKERS	-	CHIPS	POCKET(S)	-	POLYUREAS
CHIROMANTIC	-	CIRCUMCISION	POLYURETHANE(S)	-	PRALINES
CIRCUS(ES)	-	COASTS	PRASEODYMIUM	-	PROPELLERS
COAT(S)	-	COLOURING, COLORING	PROPELLING	-	PURSES

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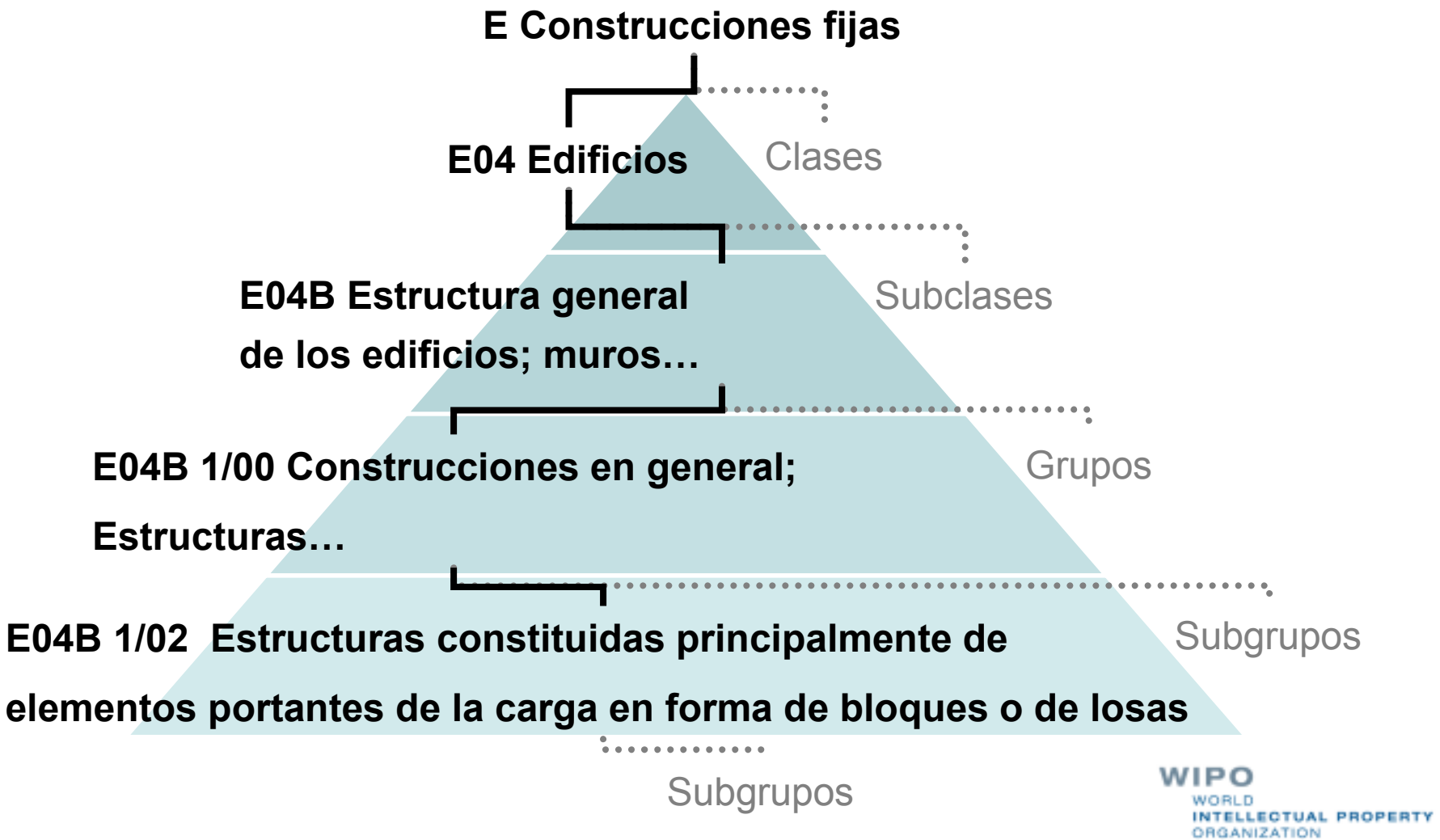
Clasificación: Esquema (CIP)



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Clasificación: Esquema (CIP)

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

→ Reconocer la sección (o serie de secciones) apropiada

Clasificación: Esquema (CIP)

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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

E01	CONSTRUCTION OF ROADS, RAILWAYS, OR BRIDGES
E02	HYDRAULIC ENGINEERING; FOUNDATIONS; SOIL-SHIFTING
E03	WATER SUPPLY; SEWERAGE
E04	BUILDING
E05	LOCKS; KEYS; WINDOW OR DOOR FITTINGS; SAFES

→ Reconocer la clase (o serie de clases) apropiada

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Clasificación: Esquema (CIP)

SECTION A — HUMAN NECESSITIES

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E04	BUILDING
E05	LOCKS; KEYS; WINDOW OR DOOR FITTINGS; SAFES

E04B	**GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS** (border constructions of openings in walls, floors, or ceilings E06B 1/00)
	Note(s) 1. This subclass covers working methods used in constructing new buildings and analogous working methods on existing buildings. Other working methods on existing buildings, except those for insulating, are classified in group E04G 23/00. [5] 2. In this subclass, the following term is used with the meaning indicated: • "ceiling" includes all the finishing material concealing the underside of the load-carrying ceiling structure or roof structure. [4]
E04C	**STRUCTURAL ELEMENTS; BUILDING MATERIALS** (for bridges E01D; specially designed for insulation or other protection E04B; elements used as building aids E04G; for mining E21; for tunnels E21D; structural elements with broader range of application than for building engineering F16, particularly F16S)
E04D	**ROOF COVERINGS; SKY-LIGHTS; GUTTERS; ROOF-WORKING TOOLS** (coverings of outer walls by plaster or other porous material E04F 13/00)

→ Reconocer la subclase (o serie de subclases) apropiada

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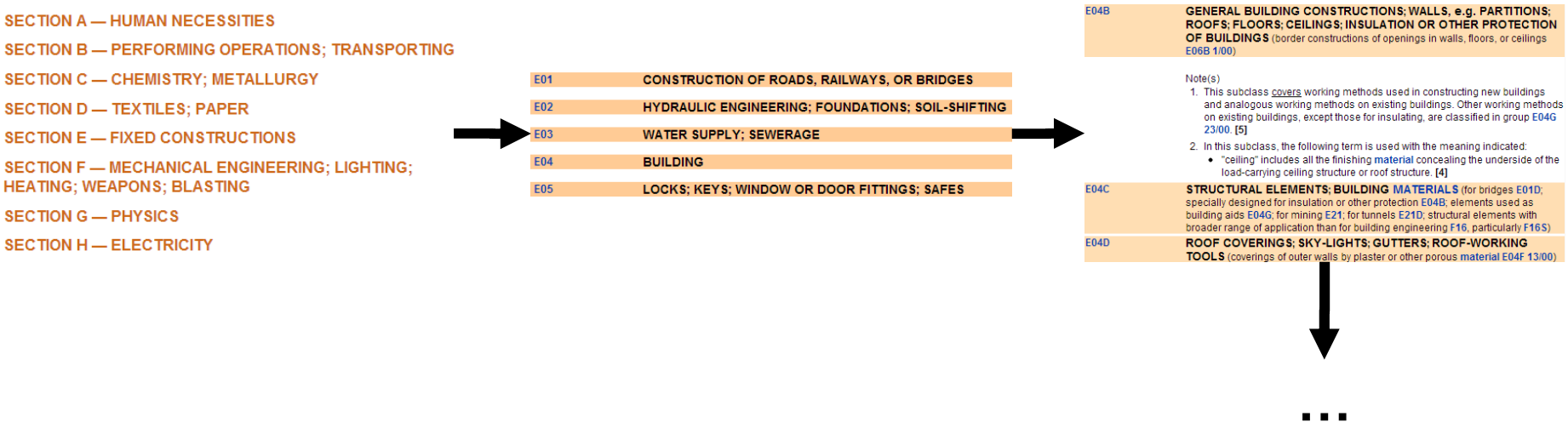
Clasificación: Esquema (CIP)



→ Seguir como proceda…

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Clasificación: Palabras clave (CIP)

	A	
ABACUSES	-	ADHESION
ADHESIVE(S)	-	ALKALI METALS
ALKALINE EARTH METALS	-	ANEMOMETERS
ANEROID	-	ANTI-TOXINS
ANVILS	-	ASPIRATOR
ASSEMBLIES	-	AWNS
AXES	-	AZOXY
	B	
BABIES	-	BARIUM
BARK	-	BEAUTY
BECKMANN	-	BISMUTH
BISULFITES	-	BOLT(S)
BOMBS	-	BRASSIERES
BRAZIERS	-	BUILDING(S)
BULBS	-	BUZZERS
	C	
CABINET(S)	-	CANDIES
CANDLE(S)	-	CARCASES, CARCASSES
CARCINOGENS	-	CATARACT(S)
CATATHERMOMETERS	-	CHALK
CHALKERS	-	CHIPS
CHIROMANTIC	-	CIRCUMCISION
CIRCUS(ES)	-	COASTS
COAT(S)	-	COLOURING, COLORING
COLTERS	-	CONDIMENTS
CONDITIONING	-	COPROSTANES
COPS	-	COVERLETS
COVERS	-	CRUETS
CRUMB TRAYS	-	CVD [= chemical vapour deposition]
CYANAMIDE	-	CYSTOSCOPES

→ Hallar la palabra clave inicial apropiada

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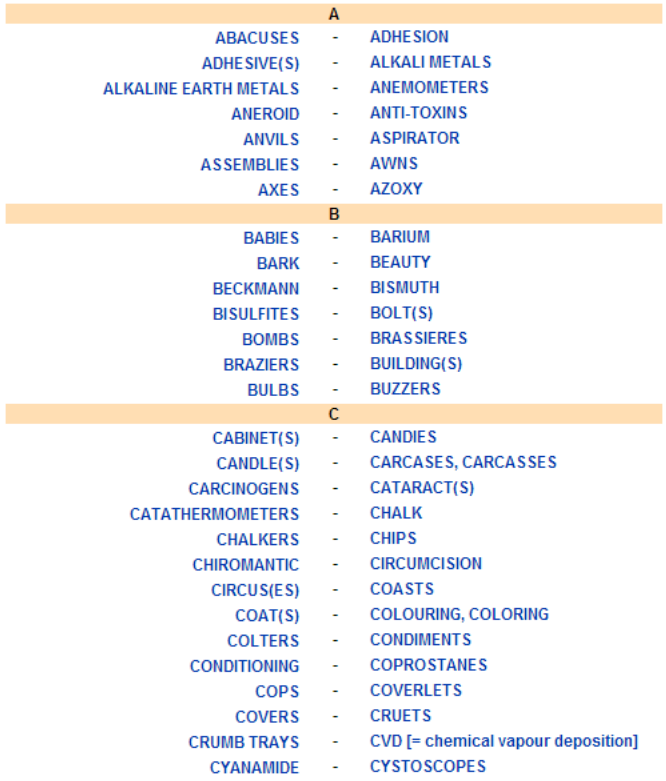
Clasificación: Palabras clave (CIP)



	A	
ABACUSES	-	ADHESION
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ANEROID	-	ANTI-TOXINS
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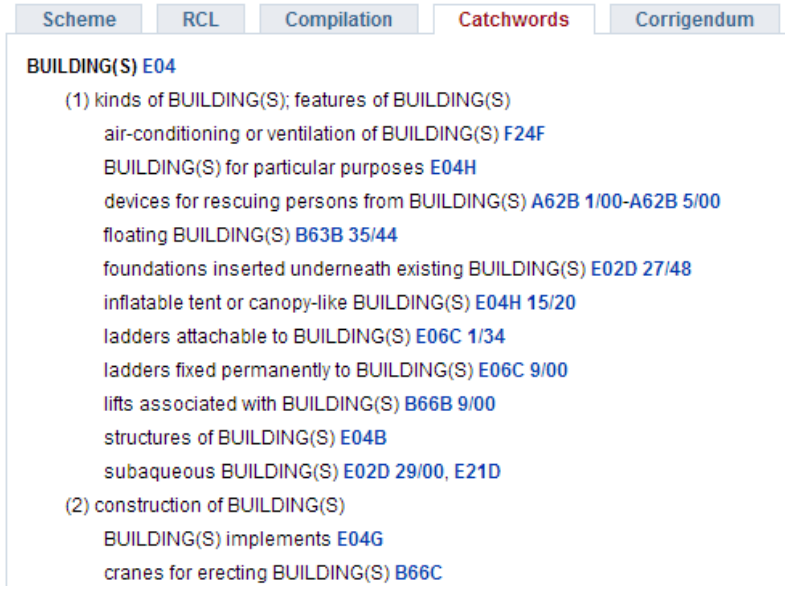
CYANAMIDE	-	CYSTOSCOPES



Scheme | RCL | Compilation | Catchwords | Corrigendum

BUILDING(S) E04

(1) kinds of BUILDING(S); features of BUILDING(S)
- air-conditioning or ventilation of BUILDING(S) F24F
- BUILDING(S) for particular purposes E04H
- devices for rescuing persons from BUILDING(S) A62B 1/00-A62B 5/00
- floating BUILDING(S) B63B 35/44
- foundations inserted underneath existing BUILDING(S) E02D 27/48
- inflatable tent or canopy-like BUILDING(S) E04H 15/20
- ladders attachable to BUILDING(S) E06C 1/34
- ladders fixed permanently to BUILDING(S) E06C 9/00
- lifts associated with BUILDING(S) B66B 9/00
- structures of BUILDING(S) E04B
- subaqueous BUILDING(S) E02D 29/00, E21D

(2) construction of BUILDING(S)
- BUILDING(S) implements E04G
- cranes for erecting BUILDING(S) B66C

→ Ir a la palabra clave pertinente

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Consejo

- Preste atención a las notas y a las referencias

Constructions in general; Structures which are not restricted either to walls, e.g. partitions, or floors or ceilings or roofs (scaffolds, shutterings E04G; structures specially adapted for buildings for special purposes, general layout of buildings, e.g. modular co-ordination, E04H; the particular parts of buildings, see the relevant groups for those parts)

- Structures consisting primarily of load-supporting, block-shaped or slab-shaped elements (E04B 1/32-E04B 1/36 take precedence)
- - the elements consisting of concrete, e.g. reinforced concrete, or other stone-like material

Consejo

- Preste atención a las notas y a las referencias

Constructions in general; Structures which are not restricted either to walls, e.g. partitions, or floors or ceilings or roofs scaffolds, shutterings E04G structures specially adapted for buildings for special purposes, general layout of buildings, e.g. modular co-ordination, E04H; the particular parts of buildings, see the relevant groups for those parts)

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- · the elements consisting of concrete, e.g. reinforced concrete, or other stone-like material

Caso hipotético

- Una empresa de material de construcción le ha pedido que seleccione tecnologías relacionadas con el aislamiento térmico para viviendas.

Consulta

- **térmico**
- **aislamiento**
- **casa**

Consulta

- **térmico**: calor, temperatura
- **aislamiento**: aislar
- **casa**: edificio

Consulta

- (térmico OR calor OR temperatura)
- (aisla*)
- (casa* OR alojamiento* OR edificio*)

Consulta

- (térmico OR calor OR temperatura) NEAR (aisla*)

Consulta

- (térmico OR calor OR temperatura) NEAR (aisla*) **AND (casa* OR alojamiento* OR edificio*)**

Consulta

- **(**(térmico OR calor OR temperatura) NEAR (aisla*)**)** AND (casa* OR alojamiento* OR edificio*)

Consulta

- ((térmico OR calor OR temperatura) NEAR (aisla*)) AND (casa* OR alojamiento* OR edificio*)

Búsqueda (PATENTSCOPE)

Resultados (PATENTSCOPE)

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Results 1-10 of 13,109 for Criteria:FP:(((thermal OR heat OR temperature) NEAR (insulat*)) AND (house* OR housing* OR building*))
Office(s):all Language:EN Stemming: true

prev 1 2 3 4 5 6 7 8 9 10 next Page: 1 / 1311 Go >

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Analysis »

Sort by: Pub Date Desc View All List Length 10

No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
1.	WO	WO/2013/113703 - HEATING DEVICE, USE OF SUCH A HEATING DEVICE AND PRODUCTION METHOD	08.08.2013	H05B 3/14	PCT/EP2013/051695	E.G.O. ELEKTRO-GERÄTEBAU GMBH	HORSMANN, Karl, Heinz

A heating device for an electrical household appliance has a large-area heating element or substantially comprises such a large-area heating element, wherein the heating element has electrical connections. The heating element comprises a material mixture of vermiculite and electrically conductive components such as metal particles, carbon black particles or graphite particles, and binders. In this case, the electrically conductive components are distributed substantially over the entire heating element, advantageously uniformly. Thus, a heating device is provided which can be used simultaneously as thermal insulation and can form, for example, an inner rear wall of a refrigerator for a defrost function.

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Resultados (PATENTSCOPE)

Resultados (PATENTSCOPE)

Sort by: Relevance View All List Length 10

No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
1.	KR	1020060100522 - HOLLOW THERMAL INSULATING PLYWOOD, A MOLD AND A MOLDING APPARATUS FOR MANUFACTURING THE HOLLOW THERMAL INSULATING PLYWOOD AND A MANUFACTURING METHOD THEREOF, FOR REDUCING WEIGHT AND INCREASING RIGIDITY	21.09.2006	E04B 1/80	1020050022082	DOOWON C&C CO., LTD.	LEE, KUY SEOP

PURPOSE: A hollow thermal insulating plywood, a mold and a molding apparatus for manufacturing the hollow thermal insulating plywood, and a manufacturing method thereof are provided to decrease the weight of the plywood by forming holes, and to use the plywood as interior or exterior panels of a building by increasing rigidity, thermal insulation effect and fire resistance.

CONSTITUTION: A hollow thermal insulating plywood(1) is made of thermal insulation material, and composed of two thermal insulation panels(2). Plural grooves are formed in the thermal insulation panel, and holes(3) are formed by facing the grooves of the thermal insulation panels in contacting the thermal insulation panels to each other. The hollow thermal insulating plywood is manufactured by contacting and fixing the thermal insulation panels. A mold for manufacturing the hollow thermal insulating plywood includes an upper mold with plural groove forming projections, a forming space containing thermal insulation powder, and a lower mold pressed by the upper mold to form the thermal insulation panel.

No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
2.	RU	02357044 - HEAT INSULATED FOUNDATION	27.05.2009	E02D 27/35	2007104429/03		Лушников Владимир Вениаминович (RU)

FIELD: construction. SUBSTANCE: invention is related to construction, namely to erection of buildings and structures on freezing heaving soils. Foundation on freezing soil includes rigid body comprising foot and wall, with gasket from the side of foot inverted to soil and made of heat insulation material, for instance from foam polystyrene, and also additional heat insulation material installed outside foundation limits. Upper edge of additional heat insulation material is pulled from the side of foundation external edge in the form of broken inserts via rigid body of foundation and is connected to additional heat insulator of opposite external edge of foundation. Pressure on soil in foundation foot is accepted as not higher than value of design resistance of heat insulation material to compression, and relative area of broken inserts (β=Abr ins/A0) is defined from ratio β≤1-σmax/R, where Abr.ins is area of broken inserts section, m2, A0 is gross area of foundation section in place of inserts installation, m2, σmax is maximum tension in foundation material from external loads, MPa, R is design resistance of foundation material, MPa. Additional heat insulation material installed on external side of foundation foot is connected to heat insulation material of foundation external wall. Additional heat insulation material installed on internal side of foundation foot is connected to heat insulation material of foundation internal wall. Inserts of additional heat insulation material of foundation are connected to ceiling heat insulation material above foundation. Heat insulation material installed from external side of foundation wall is connected to heat insulation material of blind area. Heat insulation material installed on internal side of foundation wall is connected to heat insulation material of ceiling above foundation. EFFECT: provision of possibility to install foundation above design depth of heaving soil freezing, increased level of soil protection under foundation against freezing. 2 dwg

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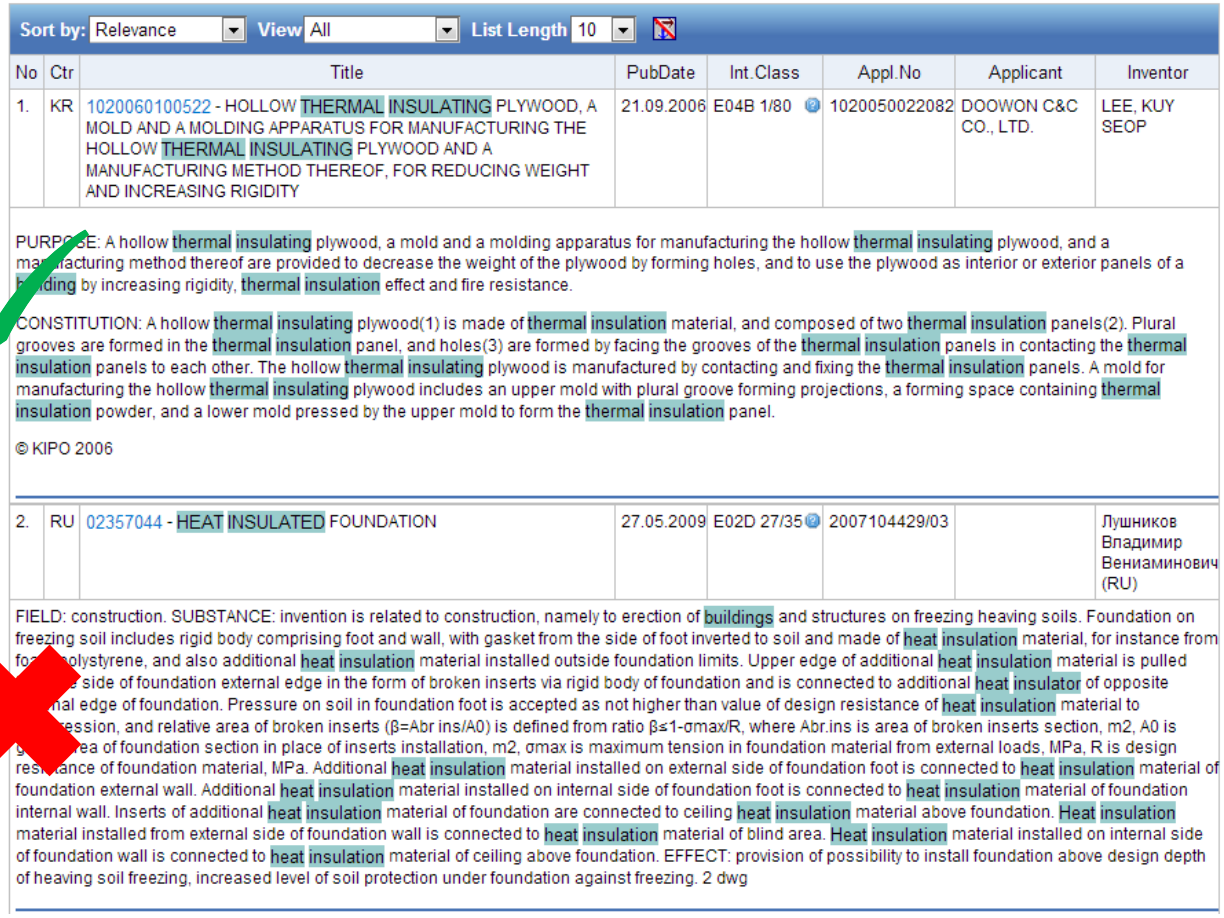
Resultados (PATENTSCOPE)



Sort by: Relevance View All List Length 10

No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
1.	KR	1020060100522 - HOLLOW THERMAL INSULATING PLYWOOD, A MOLD AND A MOLDING APPARATUS FOR MANUFACTURING THE HOLLOW THERMAL INSULATING PLYWOOD AND A MANUFACTURING METHOD THEREOF, FOR REDUCING WEIGHT AND INCREASING RIGIDITY	21.09.2006	E04B 1/80	1020050022082	DOOWON C&C CO., LTD.	LEE, KUY SEOP

PURPOSE: A hollow thermal insulating plywood, a mold and a molding apparatus for manufacturing the hollow thermal insulating plywood, and a manufacturing method thereof are provided to decrease the weight of the plywood by forming holes, and to use the plywood as interior or exterior panels of a building by increasing rigidity, thermal insulation effect and fire resistance.

CONSTITUTION: A hollow thermal insulating plywood(1) is made of thermal insulation material, and composed of two thermal insulation panels(2). Plural grooves are formed in the thermal insulation panel, and holes(3) are formed by facing the grooves of the thermal insulation panels in contacting the thermal insulation panels to each other. The hollow thermal insulating plywood is manufactured by contacting and fixing the thermal insulation panels. A mold for manufacturing the hollow thermal insulating plywood includes an upper mold with plural groove forming projections, a forming space containing thermal insulation powder, and a lower mold pressed by the upper mold to form the thermal insulation panel.

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No	Ctr	Title	PubDate	Int.Class	Appl.No	Applicant	Inventor
2.	RU	02357044 - HEAT INSULATED FOUNDATION	27.05.2009	E02D 27/35	2007104429/03		Лушников Владимир Вениаминович (RU)

FIELD: construction. SUBSTANCE: invention is related to construction, namely to erection of buildings and structures on freezing heaving soils. Foundation on freezing soil includes rigid body comprising foot and wall, with gasket from the side of foot inverted to soil and made of heat insulation material, for instance from foam polystyrene, and also additional heat insulation material installed outside foundation limits. Upper edge of additional heat insulation material is pulled to side of foundation external edge in the form of broken inserts via rigid body of foundation and is connected to additional heat insulator of opposite internal edge of foundation. Pressure on soil in foundation foot is accepted as not higher than value of design resistance of heat insulation material to compression, and relative area of broken inserts (β=Abr ins/A0) is defined from ratio β≤1-σmax/R, where Abr.ins is area of broken inserts section, m2, A0 is area of foundation section in place of inserts installation, m2, σmax is maximum tension in foundation material from external loads, MPa, R is design resistance of foundation material, MPa. Additional heat insulation material installed on external side of foundation foot is connected to heat insulation material of foundation external wall. Additional heat insulation material installed on internal side of foundation foot is connected to heat insulation material of foundation internal wall. Inserts of additional heat insulation material of foundation are connected to ceiling heat insulation material above foundation. Heat insulation material installed from external side of foundation wall is connected to heat insulation material of blind area. Heat insulation material installed on internal side of foundation wall is connected to heat insulation material of ceiling above foundation. EFFECT: provision of possibility to install foundation above design depth of heaving soil freezing, increased level of soil protection under foundation against freezing. 2 dwg

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Registro (PATENTSCOPE)

National Biblio. Data

Permanent Link/ Bookmark:

Application Number: 1020050022082 **Application Date:** 17.03.2005

Publication Number: 1020060100522 **Publication Date:** 21.09.2006

Publication Kind : A KOREAN PATENT ABSTRACTS

IPC: E04B 1/80

Applicants: DOOWON C&C CO., LTD.

Inventors: LEE, KUY SEOP

Priority Data:

Title: **(EN)** HOLLOW THERMAL INSULATING PLYWOOD, A MOLD AND A MOLDING APPARATUS FOR MANUFACTURING THE HOLLOW THERMAL INSULATING PLYWOOD AND A MANUFACTURING METHOD THEREOF, FOR REDUCING WEIGHT AND INCREASING RIGIDITY

Abstract: **(EN)**

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Registro (PATENTSCOPE)

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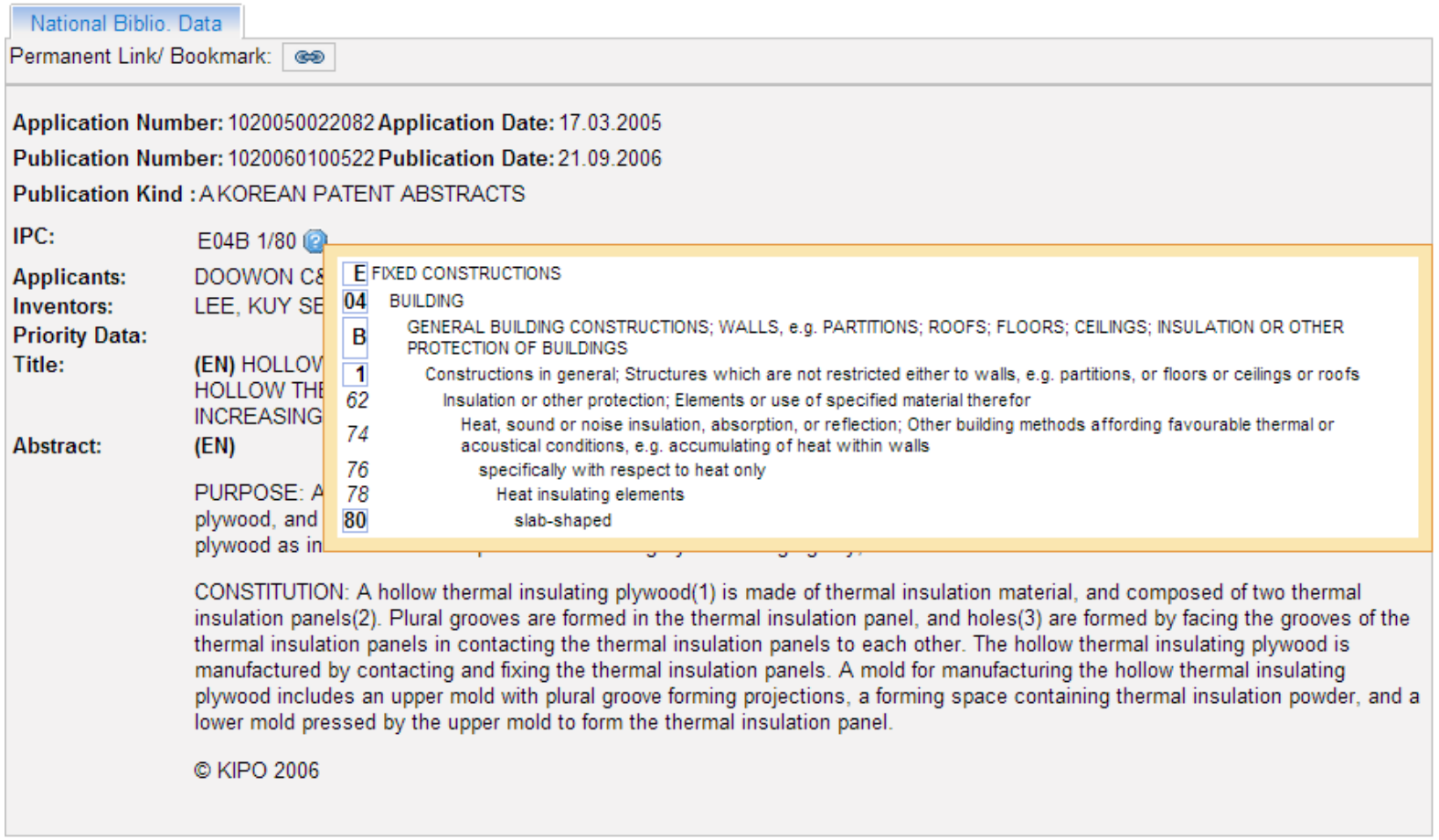
Registro (PATENTSCOPE)



National Biblio. Data

Permanent Link/ Bookmark:

Application Number: 1020050022082 **Application Date:** 17.03.2005

Publication Number: 1020060100522 **Publication Date:** 21.09.2006

Publication Kind : A KOREAN PATENT ABSTRACTS

IPC: E04B 1/80

Applicants: DOOWON C&

Inventors: LEE, KUY SE

Priority Data:

Title: **(EN)** HOLLOW
HOLLOW THE
INCREASING

Abstract: **(EN)**

PURPOSE: A
plywood, and
plywood as in

E FIXED CONSTRUCTIONS
04 BUILDING
B GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS
1 Constructions in general; Structures which are not restricted either to walls, e.g. partitions, or floors or ceilings or roofs
62 Insulation or other protection; Elements or use of specified material therefor
74 Heat, sound or noise insulation, absorption, or reflection; Other building methods affording favourable thermal or acoustical conditions, e.g. accumulating of heat within walls
76 specifically with respect to heat only
78 Heat insulating elements
80 slab-shaped

CONSTITUTION: A hollow thermal insulating plywood(1) is made of thermal insulation material, and composed of two thermal insulation panels(2). Plural grooves are formed in the thermal insulation panel, and holes(3) are formed by facing the grooves of the thermal insulation panels in contacting the thermal insulation panels to each other. The hollow thermal insulating plywood is manufactured by contacting and fixing the thermal insulation panels. A mold for manufacturing the hollow thermal insulating plywood includes an upper mold with plural groove forming projections, a forming space containing thermal insulation powder, and a lower mold pressed by the upper mold to form the thermal insulation panel.

Registro (PATENTSCOPE)

National Biblio. Data

Permanent Link/ Bookmark:

Application Number: 1020050042193 **Application Date:** 19.05.2005

Publication Number: 1020050054901 **Publication Date:** 10.06.2005

Publication Kind : A KOREAN PATENT ABSTRACTS

IPC: E04B 1/78

Applicants: KIM, GI TAE

Inventors: KIM, GI TAE

Priority Data:

Title: **(EN)** EXTERNAL HEAT INSULATION CONSTRUCTION METHOD USING A THERMAL INSULATION BOARD FORMED BY COMBINING AN EXTERIOR MATERIAL WITH A THERMAL INSULATION MATERIAL

Abstract: **(EN)**

PURPOSE: An external heat insulation construction method using a thermal insulation board is provided to efficiently insulate heat in a building, and to improve the appearance and the durability by fastening the thermal insulation board to a structure firmly with an L-shaped supporting piece and an adhesive and restricting deformation or dewing.

CONSTITUTION: A structure is cleaned in an external heat insulation construction method(S1). Plural L-shaped supporting pieces are fastened to the structure, and a thermal insulation board is attached and fixed to the structure(S2). A joint remaining bar is installed and mounted to an upper part of the thermal insulation board attached to the structure, and the L-shaped supporting piece is contacted and fastened to the upper part of the joint remaining bar and the structure(S3). The thermal insulation board is mounted to the structure repeatedly(S4), and a coating layer is formed in the front of the thermal insulation board mounted to the structure(S5). A joint is formed by charging caulking materials between the thermal insulation boards(S6).

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Registro (PATENTSCOPE)

National Biblio. Data

Permanent Link/ Bookmark:

Application Number: 1020050042193 **Application Date:** 19.05.2005
Publication Number: 1020050054901 **Publication Date:** 10.06.2005
Publication Kind : A KOREAN PATENT ABSTRACTS

IPC: E04B 1/78
Applicants: KIM, GI TAE
Inventors: KIM, GI TAE
Priority Data:
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Registro (PATENTSCOPE)

National Biblio. Data

Permanent Link/ Bookmark:

Application Number: 1020050042193 **Application Date:** 19.05.2005
Publication Number: 1020050054901 **Publication Date:** 10.06.2005
Publication Kind : A KOREAN PATENT ABSTRACTS

IPC: E04B 1/78

Applicants: KIM, GI TAE
Inventors: KIM, GI TAE
Priority Data:
Title: **(EN)** EXTERNA
COMBINING AI
Abstract: **(EN)**

E	FIXED CONSTRUCTIONS
04	BUILDING
B	GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS
1	Constructions in general; Structures which are not restricted either to walls, e.g. partitions, or floors or ceilings or roofs
62	Insulation or other protection; Elements or use of specified material therefor
74	Heat, sound or noise insulation, absorption, or reflection; Other building methods affording favourable thermal or acoustical conditions, e.g. accumulating of heat within walls
76	specifically with respect to heat only
78	Heat insulating elements

PURPOSE: An
in a building, ar
L-shaped suppo

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Resultados (PATENTSCOPE)

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Home > IP Services > PATENTSCOPE

Results 1-10 of 13,109 for Criteria:FP:(((thermal OR heat OR temperature) NEAR (insulat*)) AND (house* OR housing* OR building*))
Office(s):all Language:EN Stemming: true

prev 1 2 3 4 5 6 7 8 9 10 next Page: 1 / 1311 Go >

Refine Search 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/2013/113703 - HEATING DEVICE, USE OF SUCH A HEATING DEVICE AND PRODUCTION METHOD	08.08.2013	H05B 3/14	PCT/EP2013/051695	E.G.O. ELEKTRO-GERÄTEBAU GMBH	HORSMANN, Karl, Heinz

A heating device for an electrical household appliance has a large-area heating element or substantially comprises such a large-area heating element, wherein the heating element has electrical connections. The heating element comprises a material mixture of vermiculite and electrically conductive components such as metal particles, carbon black particles or graphite particles, and binders. In this case, the electrically conductive components are distributed substantially over the entire heating element, advantageously uniformly. Thus, a heating device is provided which can be used simultaneously as thermal insulation and can form, for example, an inner rear wall of a refrigerator for a defrost function.

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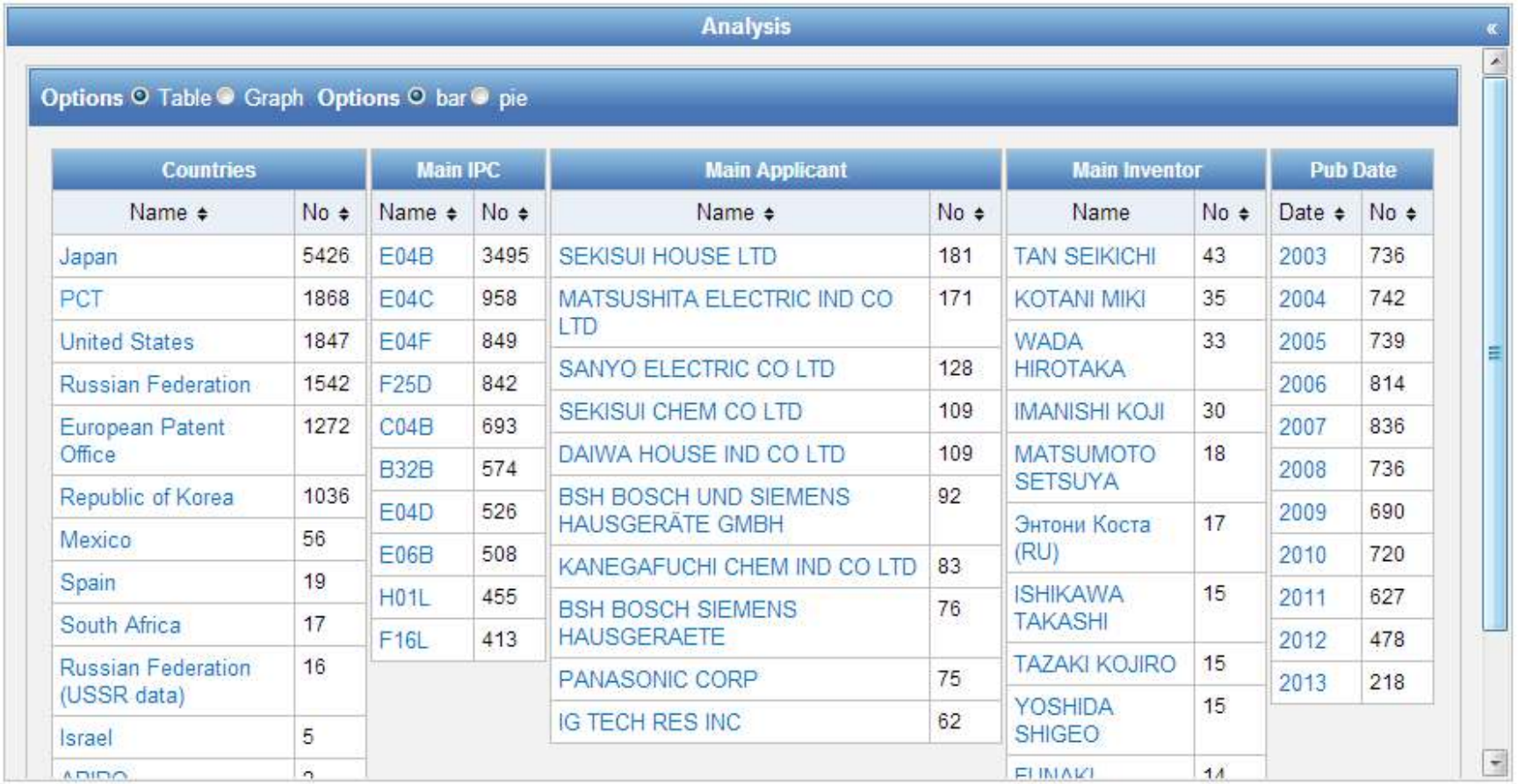
Resultados (PATENTSCOPE)

Análisis de resultados (PATENTSCOPE)



Analysis

Options ◉ Table ○ Graph Options ◉ bar ○ pie

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Name	No	Name	No	Name	No	Name	No	Date	No
Japan	5426	E04B	3495	SEKISUI HOUSE LTD	181	TAN SEIKICHI	43	2003	736
PCT	1868	E04C	958	MATSUSHITA ELECTRIC IND CO LTD	171	KOTANI MIKI	35	2004	742
United States	1847	E04F	849	SANYO ELECTRIC CO LTD	128	WADA HIROTAKA	33	2005	739
Russian Federation	1542	F25D	842	SEKISUI CHEM CO LTD	109	IMANISHI KOJI	30	2006	814
European Patent Office	1272	C04B	693	DAIWA HOUSE IND CO LTD	109	MATSUMOTO SETSUYA	18	2007	836
Republic of Korea	1036	B32B	574	BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH	92	Энтони Коста (RU)	17	2008	736
Mexico	56	E04D	526	KANEGAFUCHI CHEM IND CO LTD	83	ISHIKAWA TAKASHI	15	2009	690
Spain	19	E06B	508	BSH BOSCH SIEMENS HAUSGERAETE	76	TAZAKI KOJIRO	15	2010	720
South Africa	17	H01L	455	PANASONIC CORP	75	YOSHIDA SHIGEO	15	2011	627
Russian Federation (USSR data)	16	F16L	413	IG TECH RES INC	62	FUNAKI	14	2012	478
Israel	5							2013	218
ARIPO	2								

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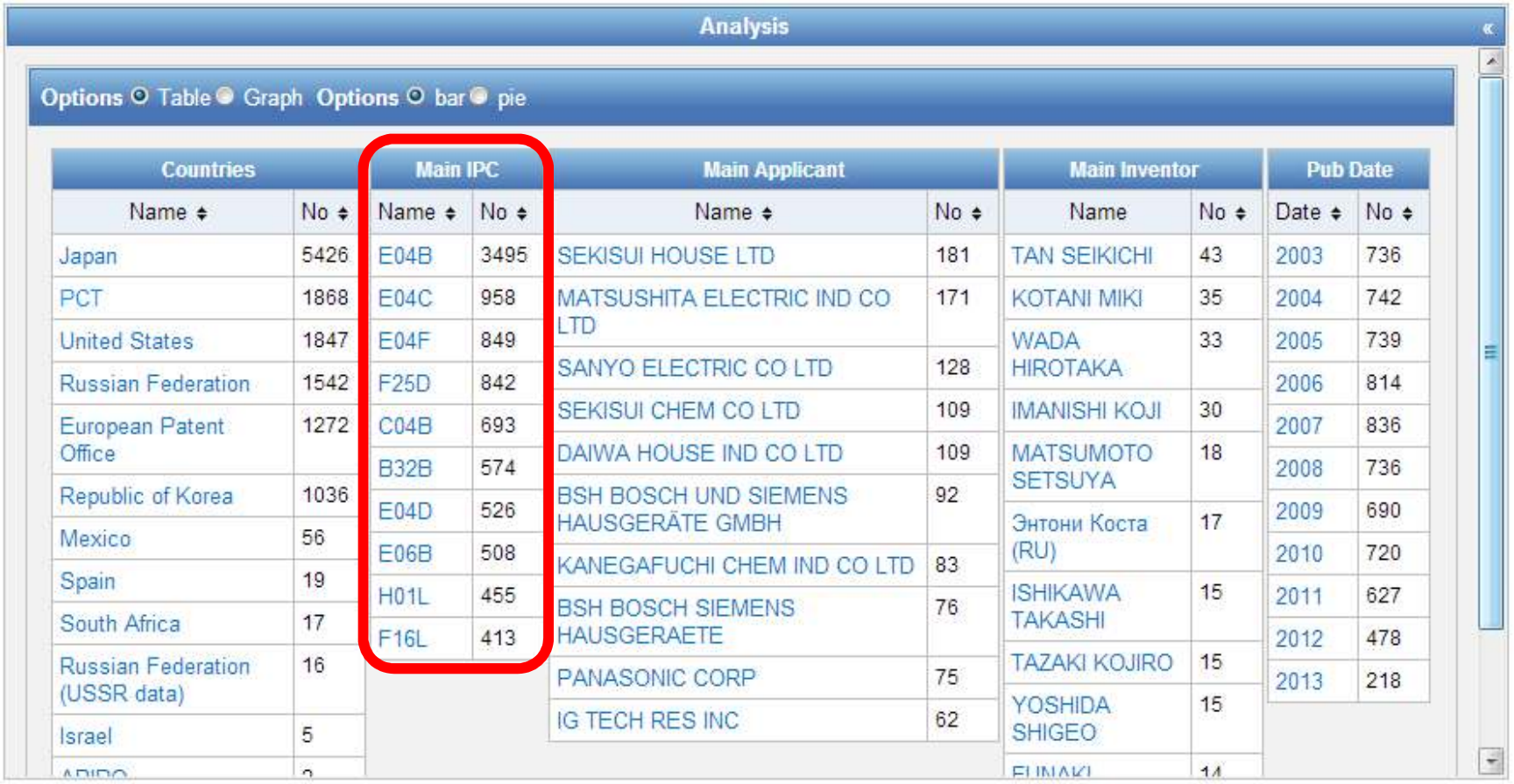
Análisis de resultados (PATENTSCOPE)



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
Japan	5426	E04B	3495	SEKISUI HOUSE LTD	181	TAN SEIKICHI	43	2003	736
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Israel	5							2013	218
ARIPO	2								

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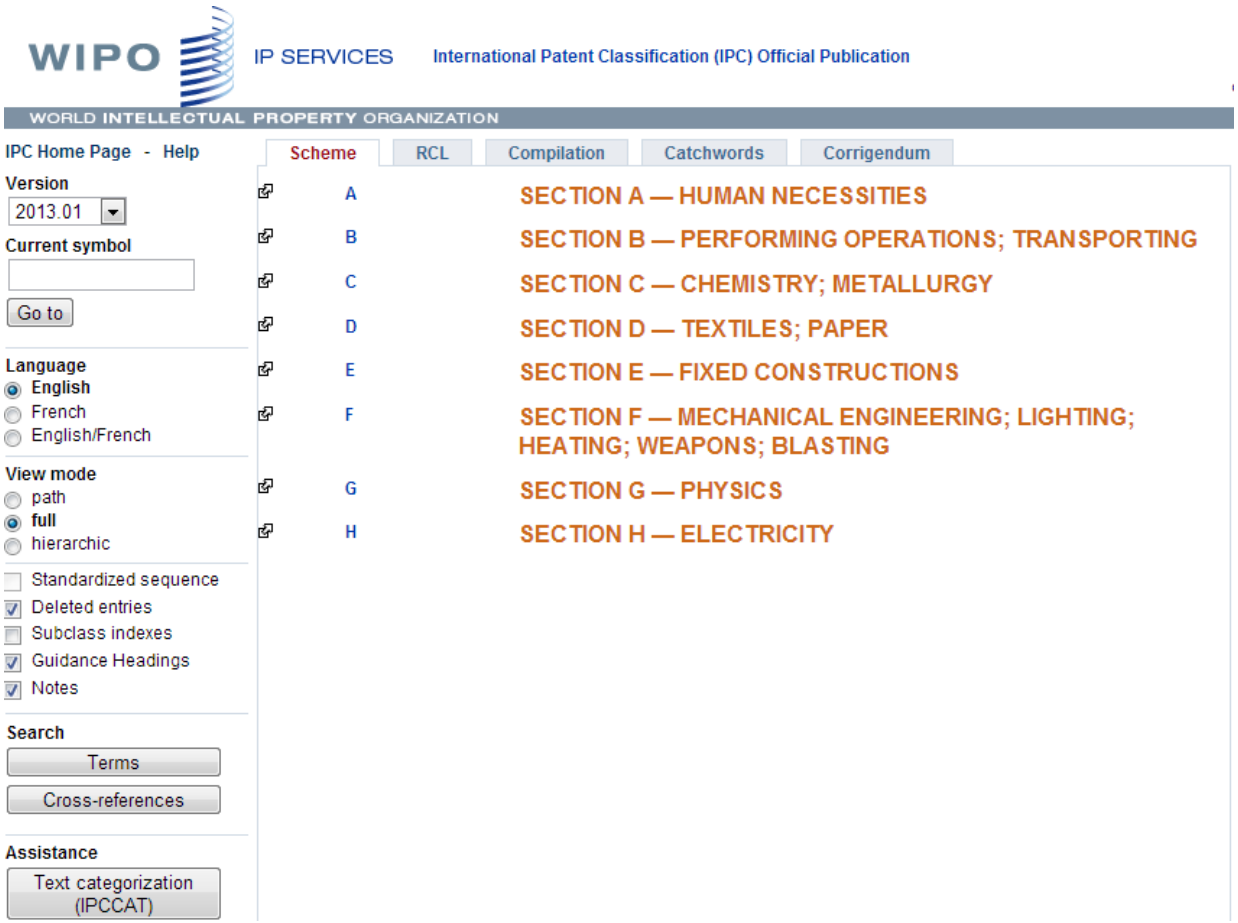
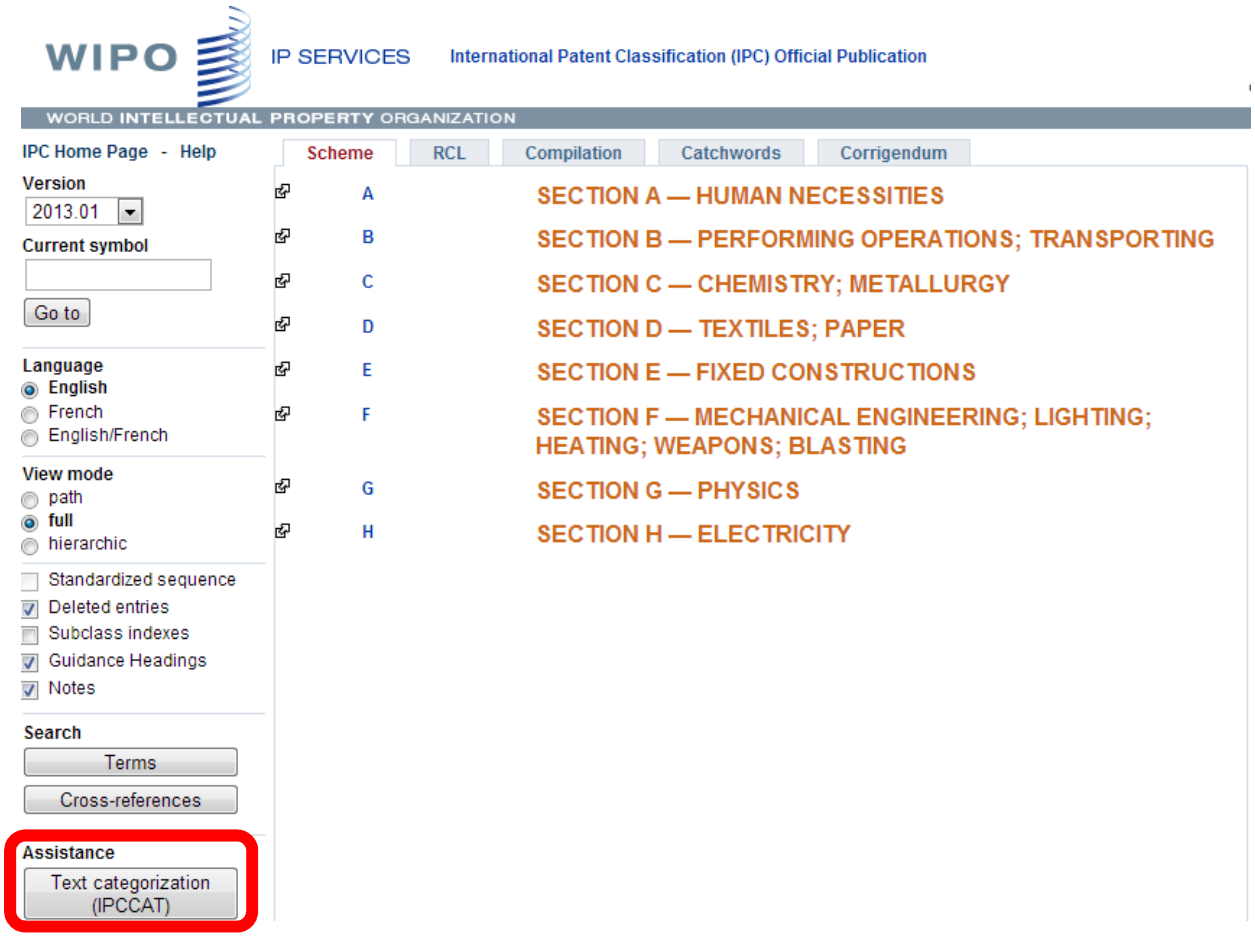
Publicación de la clasificación (IPC)



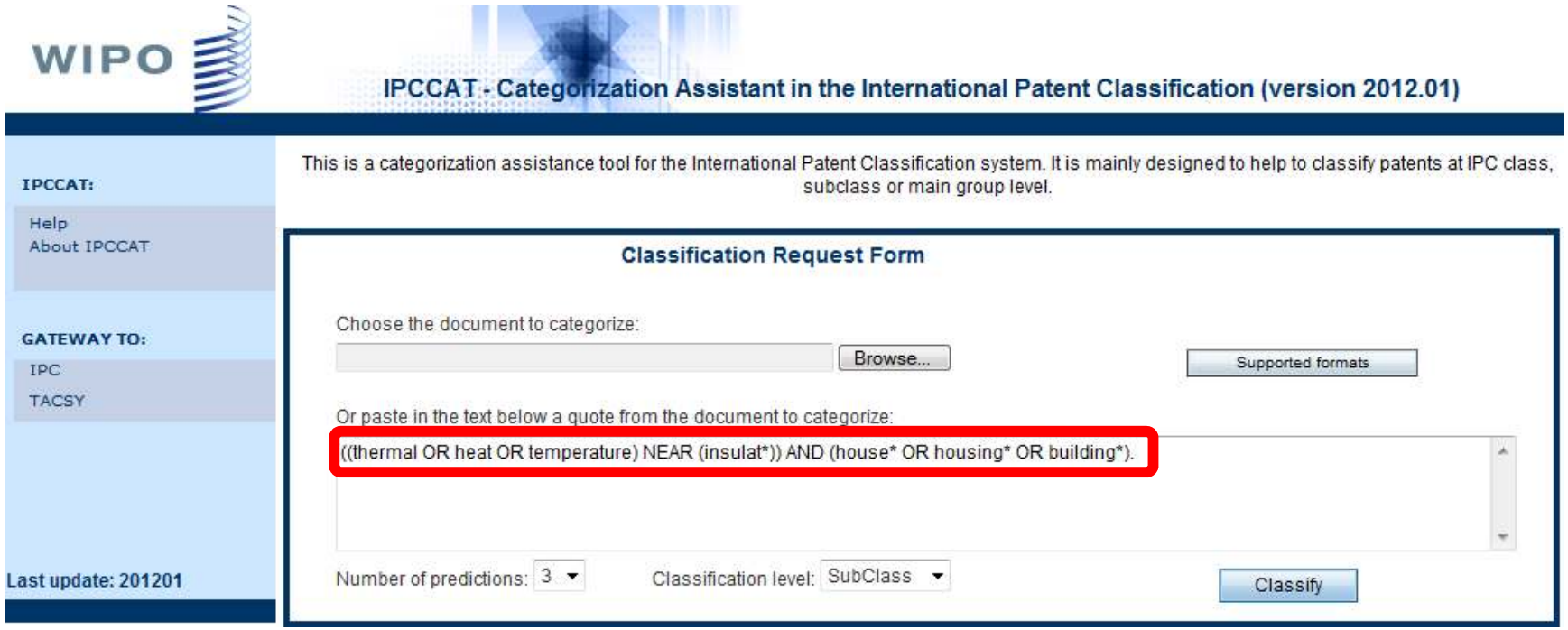
Publicación de la clasificación (CIP)



Análisis estadístico (IPCCAT)

→ No se olvide de poner un punto y seguido al final de las búsquedas breves

Análisis estadístico (IPCCAT)



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Análisis estadístico (IPCCAT)

Análisis estadístico (IPCCAT)

Resultados (IPCCAT)

Suggested IPC Categories

Confidence	IPC	Description	Refine
★★★★★	E04B		▶▶
★★★★	G08B		▶▶
★★★★	A63H		▶▶

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Resultados (IPCCAT)

Suggested IPC Categories

Confidence	IPC	Description	Refine
★★★★★	E04B		▶▶
★★★★	G08B		▶▶
★★★★	A63H		▶▶

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Resultados (IPCCAT)

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Confidence	IPC	Description	Refine
★★★★★	E04B		▶▶
★★★★	G08B		▶▶
★★★★	A63H		▶▶

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INTELLECTUAL PROPERTY
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Resultados (IPCCAT)

Suggested IPC Categories

Confidence	IPC	Description	Refine
★★★★★	E04B		◀◀
★★★★★	E04B 1/00		
★	E04B 2/00		
▬	E04B 7/00		
★★★★	G08B		▶▶
★★★★	A63H		▶▶

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Resultados (IPCCAT)

Suggested IPC Categories

Confidence	IPC	Description	Refine
★★★★★	E04B	💡	◀◀
★★★★★	E04B 1/00	💡	
★	E04B 2/00	💡	
▬	E04B 7/00	💡	
★★★★	G08B	💡	▶▶
★★★★	A63H	💡	▶▶

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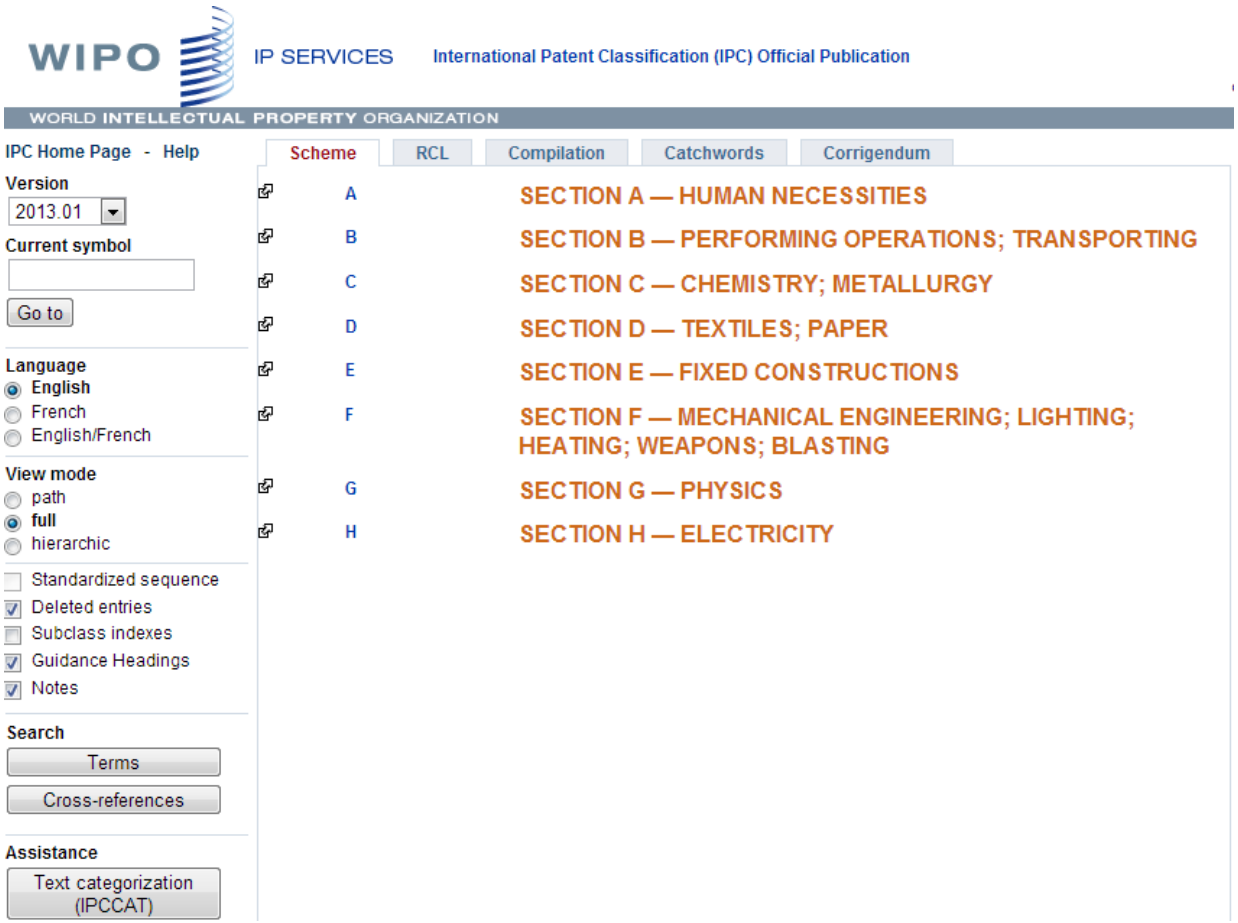
Clasificación: Esquema (CIP)

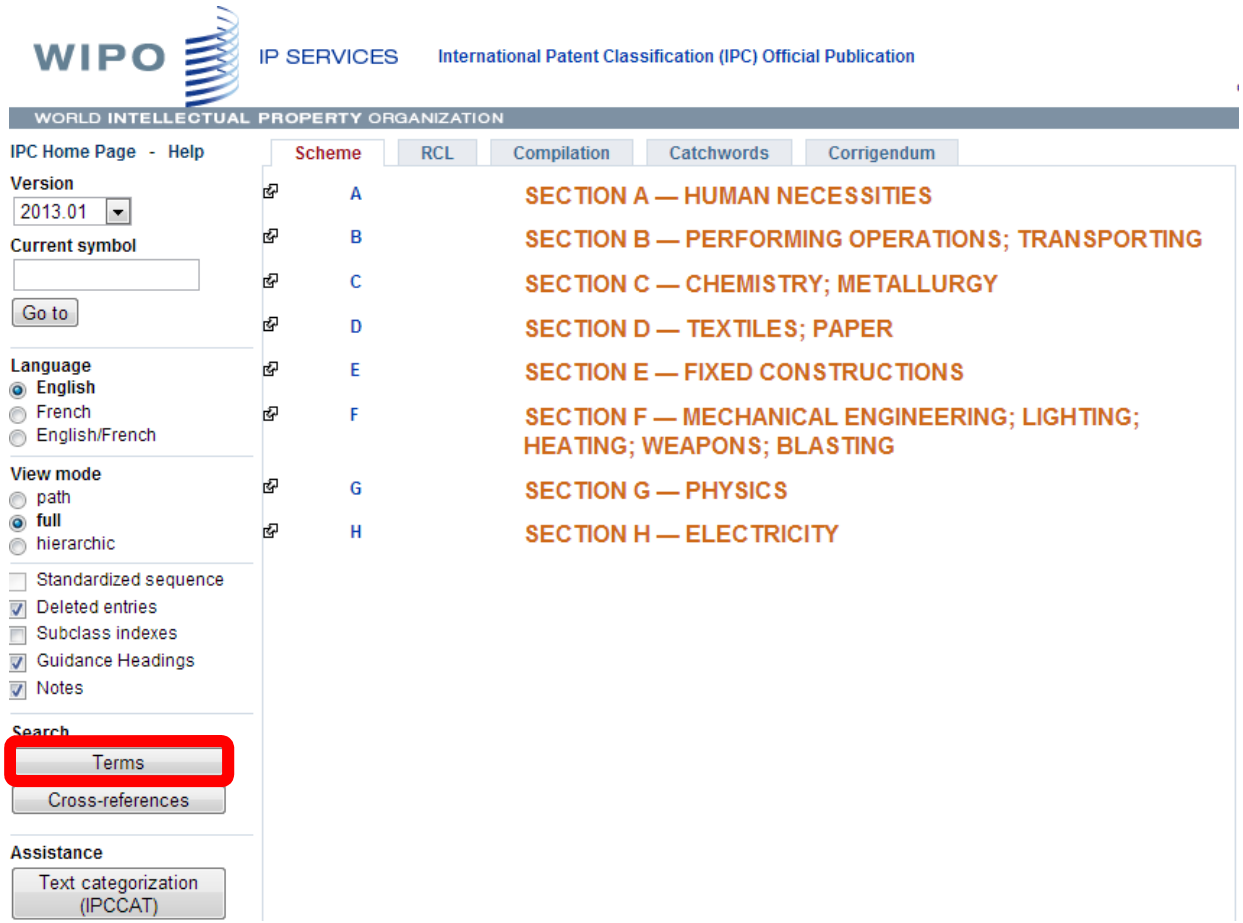
Scheme | RCL | Compilation | Catchwords

E04B 1/00	**Constructions in general; Structures which are not restricted either to walls, e.g. partitions, or floors or ceilings or roofs** (scaffolds, shutterings E04G; structures specially adapted for buildings for special purposes, general layout of buildings, e.g. modular co-ordination, E04H; the particular parts of buildings, see the relevant groups for those parts)
E04B 1/02	· Structures consisting primarily of load-supporting, block-shaped or slab-shaped elements (E04B 1/32-E04B 1/36 take precedence)
E04B 1/04	· · the elements consisting of concrete, e.g. reinforced concrete, or other stone-like material
E04B 1/06	· · · the elements being prestressed
E04B 1/08	· · the elements consisting of metal

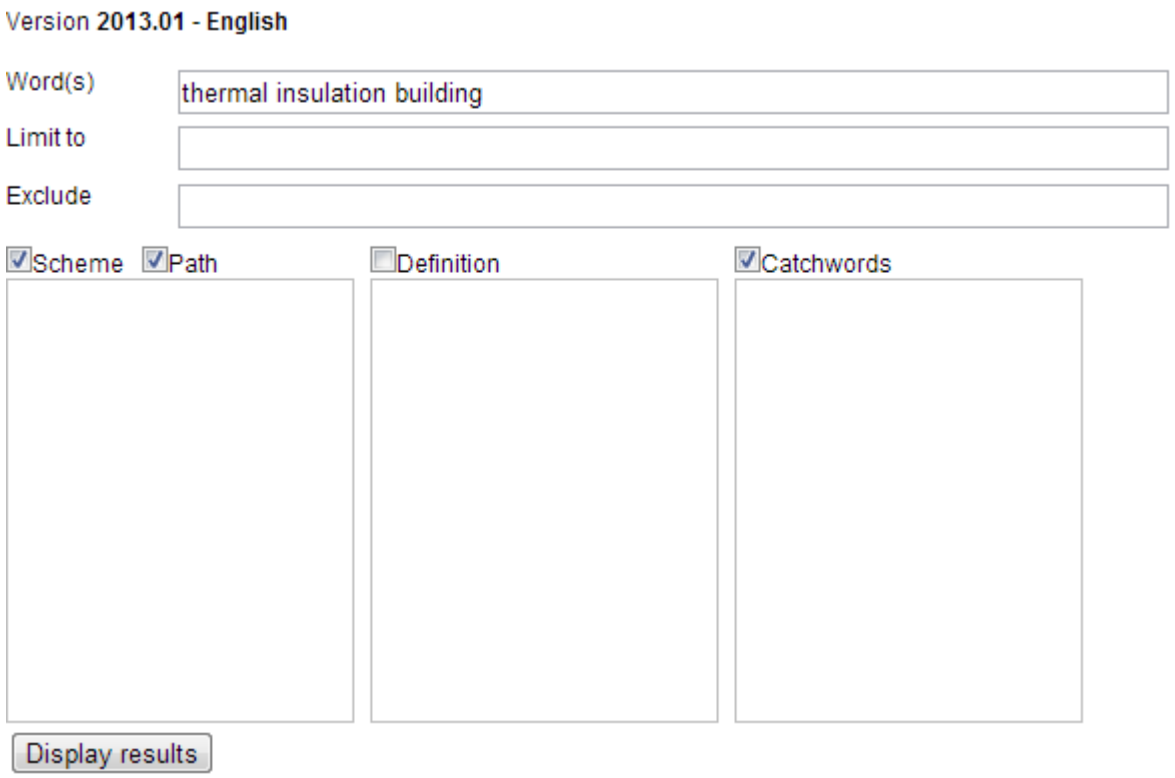
Publicación de la clasificación (CIP)



Publicación de la clasificación (IPC)



Clasificación: Términos (CIP)



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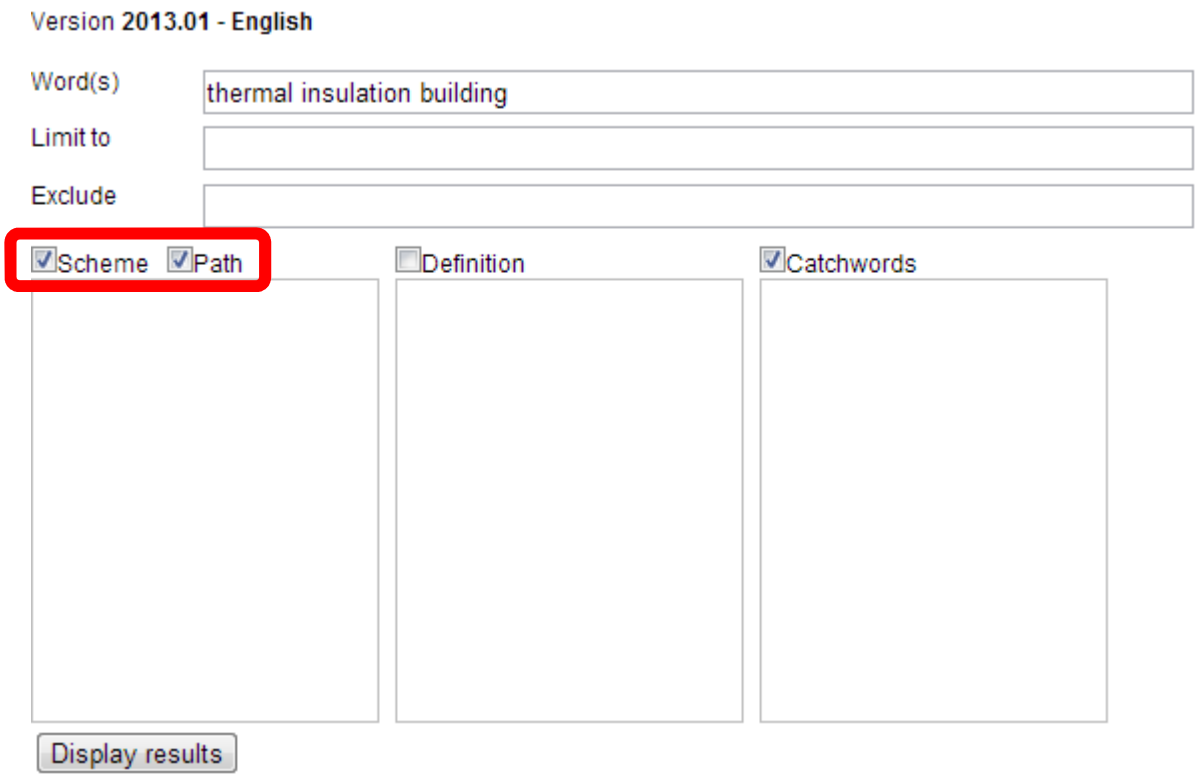
Clasificación: Términos (CIP)



→ En el apartado "Path" figuran todas las definiciones de la trayectoria que lleva a un símbolo dado

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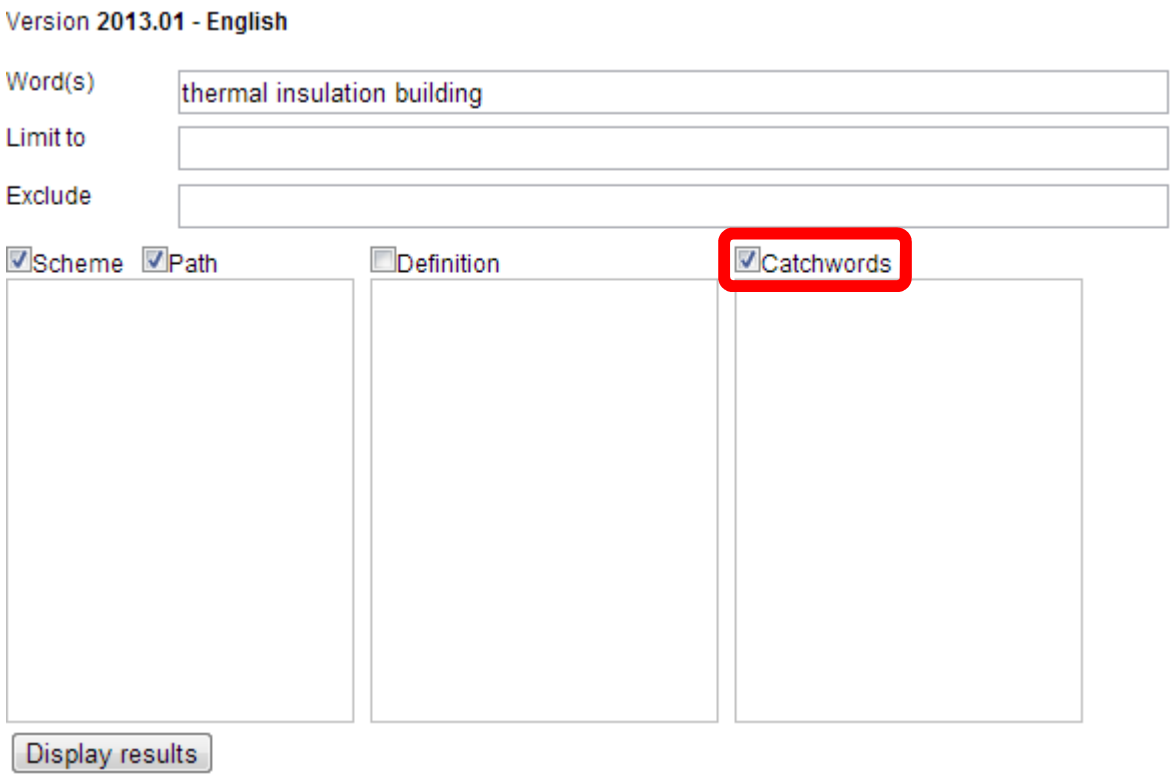
Clasificación: Términos (CIP)



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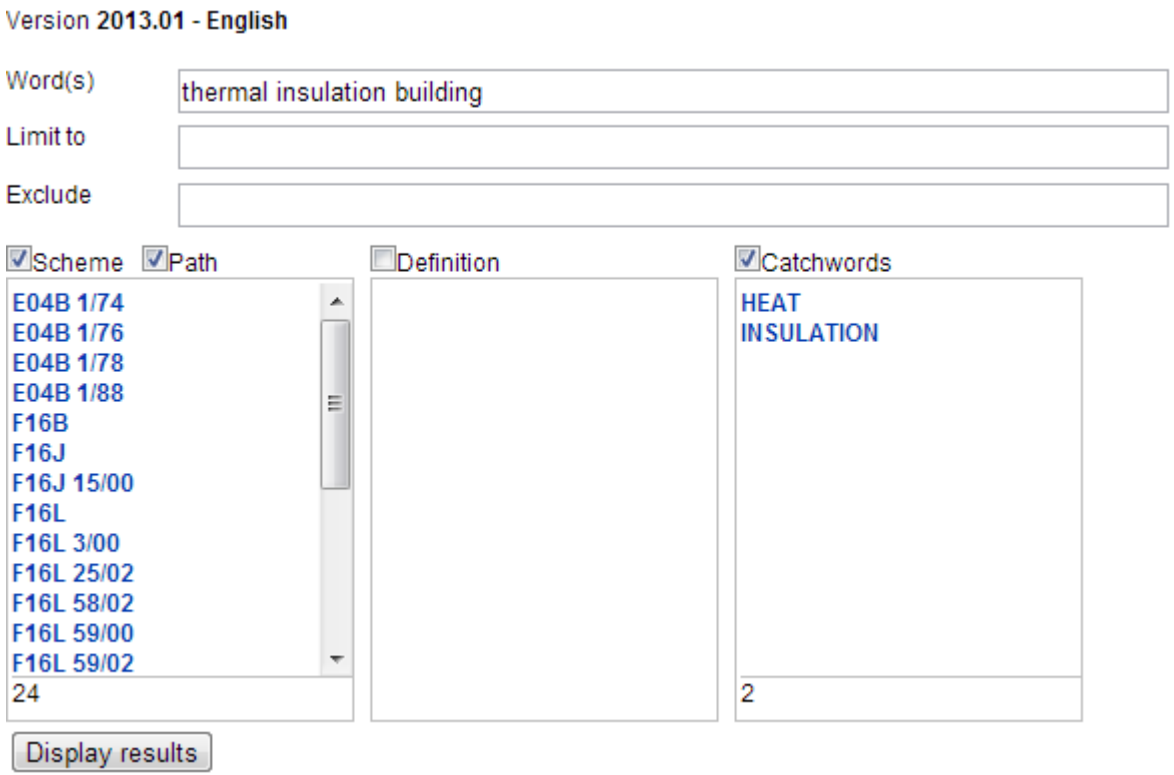

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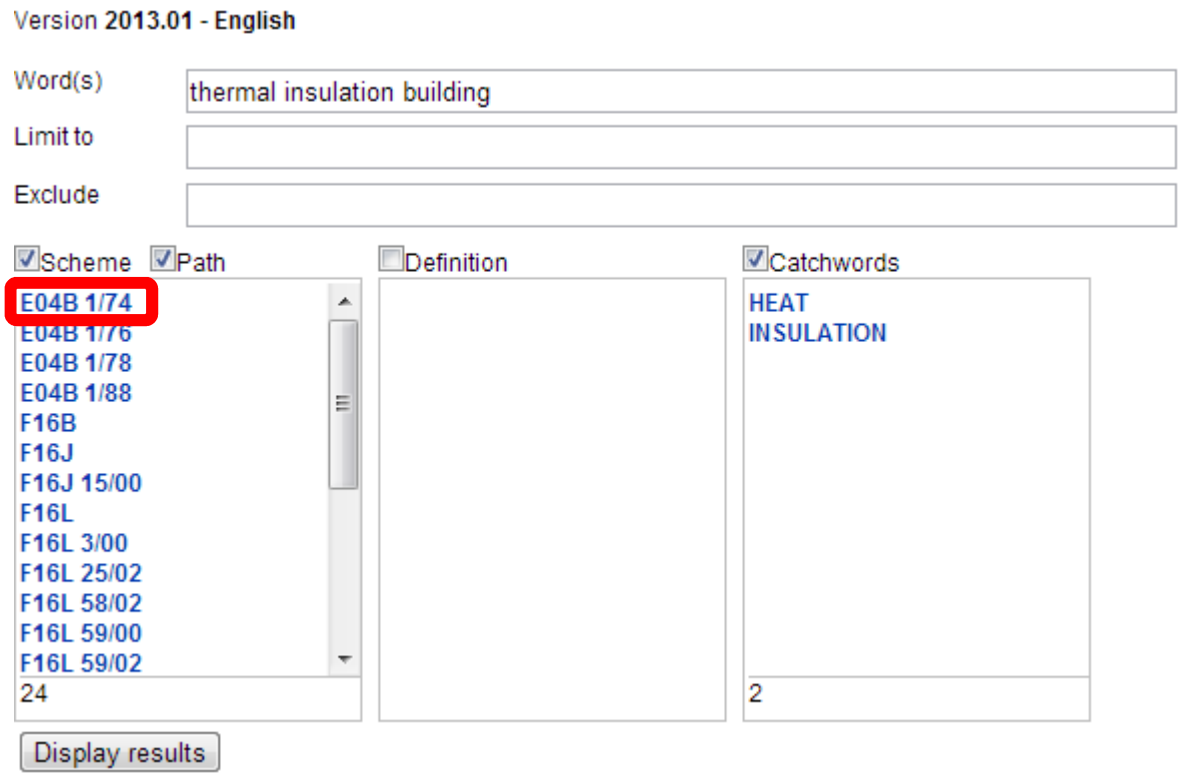

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Clasificación: Esquema (CIP)

Scheme | RCL | Compilation | Catchwords | Corrigendum

E	**SECTION E — FIXED CONSTRUCTIONS**
E04	**BUILDING**
E04B	**GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS** (border constructions of openings in walls, floors, or ceilings E06B 1/00)
	Note(s) 1. This subclass covers working methods used in constructing new buildings and analogous working methods on existing buildings. Other working methods on existing buildings, except those for insulating, are classified in group E04G 23/00. **[5]** 2. In this subclass, the following term is used with the meaning indicated: • "ceiling" includes all the finishing material concealing the underside of the load-carrying ceiling structure or roof structure. **[4]**
E04B 1/00	**Constructions in general; Structures which are not restricted either to walls, e.g. partitions, or floors or ceilings or roofs** (scaffolds, shutterings E04G; structures specially adapted for buildings for special purposes, general layout of buildings, e.g. modular co-ordination, E04H; the particular parts of buildings, see the relevant groups for those parts)
E04B 1/62	· Insulation or other protection; Elements or use of specified material therefor (chemical compositions C01-C11; implements for applying insulation or sealings E04F 21/00; buildings to withstand, or to provide protection against, external undesired influences E04H 9/00; sealing pipes in walls or partitions F16L 5/02; shielding against dangerous radiation G21F; constructions of particular parts of buildings, see the relevant groups for those parts)
E04B 1/74	· · Heat, sound or noise insulation, absorption, or reflection (forms of, or arrangements in, rooms for influencing or directing sound E04B 1/99); Other building methods affording favourable thermal or acoustical conditions, e.g. accumulating of heat within walls (fire protection E04B 1/94; elements chiefly adapted for structural purposes E04C 1/00-E04C 3/00; chiefly adapted for surface coverings E04F 13/00; as underlayers for floor coverings E04F 15/18; closures for wall or like openings E06B)
E04B 1/76	· · · specifically with respect to heat only (heat insulation in general F16L 59/00)
E04B 1/82	· · · specifically with respect to sound only (noise damping in ducts or channels E04F 17/00; noise damping in general G10K 11/16)
E04B 1/88	· · · Insulating elements for both heat and sound

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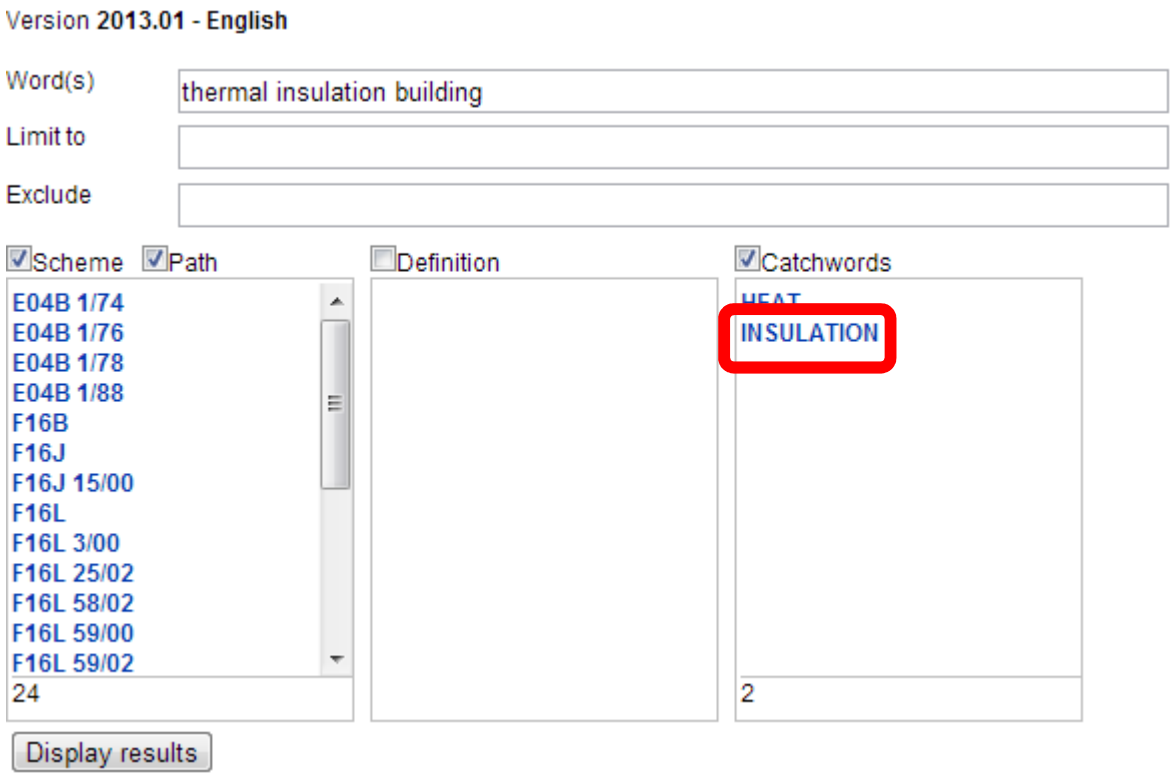

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Clasificación: Palabras clave (CIP)

Scheme | RCL | Compilation | Catchwords | Corrigendum

INSULATION

(1) electric INSULATION

INSULATION of cables H01B

INSULATION of wire by covering with plastics or substances in a plastic state B29C

paper for electric INSULATION D21H 27/12

slotting out INSULATION between commutator segments H01R 43/06

(2) thermal F16L 59/00
see also THERMAL

domestic heat-insulated vessels A47J 41/00, B65D

INSULATION for roof coverings E04D 13/16

INSULATION in building wall construction E04B 2/00

INSULATION in buildings in general E04B 1/62

INSULATION measures in the flooring of buildings E04F 15/18

INSULATION of tunnels E02D 29/00, E21D 9/00, E21D 11/00

INSULATION of windows or doors E06B 3/263, E06B 3/66

laboratory heat- INSULATION devices B01L 7/04

(3) INSULATION against sound waves G10K 11/00

INSULATION of ceilings or floors E04B 5/00, E04F 15/20

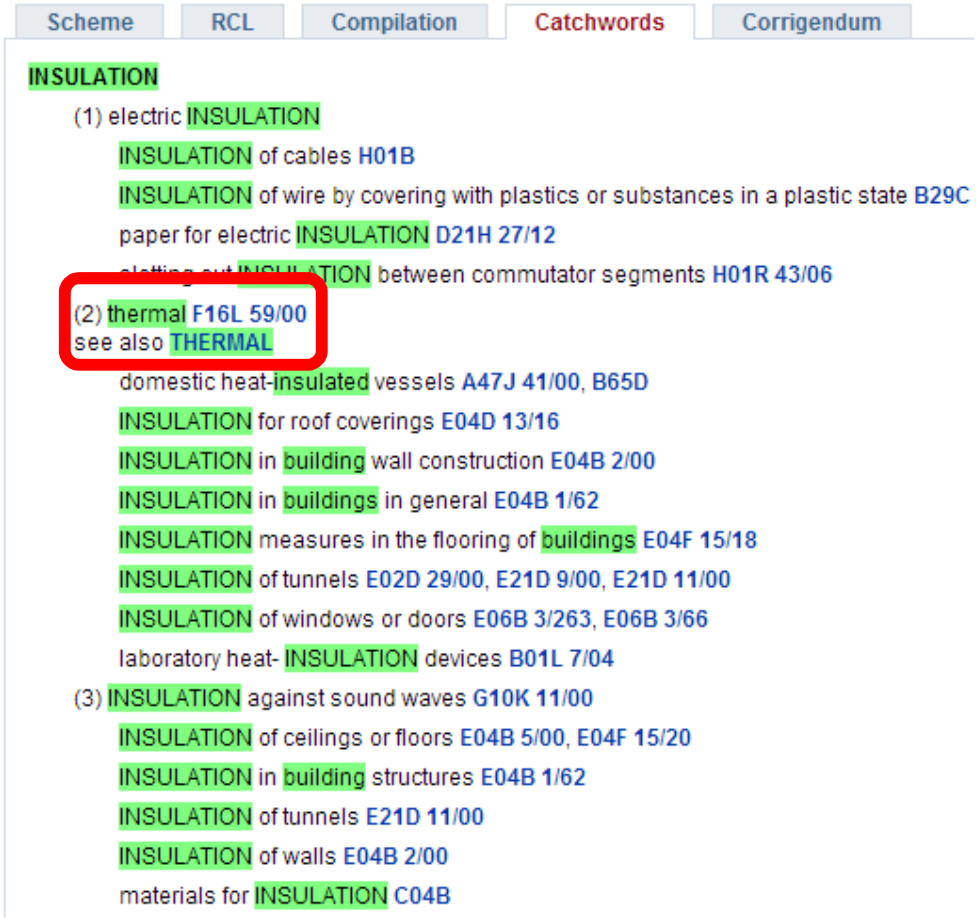
INSULATION in building structures E04B 1/62

INSULATION of tunnels E21D 11/00

INSULATION of walls E04B 2/00

materials for INSULATION C04B

Clasificación: Palabras clave (CIP)



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Clasificación: Esquema (CIP)

	F16L 57/00	**Protection of pipes or objects of similar shape against external or internal damage or wear** (supporting of pipes inside other pipes or sleeves F16L 7/00; used in connection with end fittings of hoses F16L 35/00; protection of pipes or pipe fittings against corrosion or incrustation F16L 58/00; protection thereof during transport B65D, e.g. B65D 59/00)
	F16L 58/00	**Protection of pipes or pipe fittings against corrosion or incrustation** (supporting of pipes inside other pipes or sleeves F16L 7/00; compound tubes F16L 9/14; cleaning pipes or tubes B08B 9/02)
	F16L 59/00	**Thermal insulation in general** (heat, sound insulation in buildings E04B; heat insulation of steam engines F01B 31/08; heat insulation in rotary piston machines or engines F01C 21/06; heat insulation of pumps F04C 29/04; thermal insulation of pressure vessels F17C 1/12; vessels not under pressure, with provision for insulation F17C 3/02)
		Indexing scheme associated with groups F16L 55/26-F16L 55/48, relating to uses and applications of pigs or moles. [6]
I	F16L 101/00	Uses or applications of pigs or moles [6]

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Resultados (PATENTSCOPE)

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Results 1-10 of 6,200 for Criteria:IC:"E04B 1/76" Office(s):all Language:EN Stemming: true

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Analysis »

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/2013/113455 - THERMAL INSULATION MATERIAL WITH IMPROVED FIRE RESISTANCE	08.08.2013	B32B 7/12	PCT/EP2012/076490	VALSEM INDUSTRIES SAS	DAVIET, Jean-François

A thermal insulation material (10) comprises an inner and outer layers (11, 12) of reflective material with a reflectivity over than 90%. The thermal insulation material (10) further comprises a non-combustible material (15) located between said inner and outer layers (11, 12) and bonded to said inner and outer layers (11, 12) by a polymeric primary bonding agent (16) containing a load of fire-retardant.

Resultados (PATENTSCOPE)

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/2013/113455 - THERMAL INSULATION MATERIAL WITH IMPROVED FIRE RESISTANCE	08.08.2013	B32B 7/12	PCT/EP2012/076490	VALSEM INDUSTRIES SAS	DAVIET, Jean-François
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2.	EP	2619377 - SELF-SUPPORTING MODULE FOR THE FACADE OF A BUILDING	31.07.2013	E04B 1/76	11797347	PRO ENERGY SYSTEMS S R L	FICCADENTI MARCO
A self-supporting module (1) for the facade (2) of a building provided with its own load-bearing structure (4); the module (1) is provided with: an external finishing assembly (5), which has a shaped structure and is suited to frontally close the module (1); a frame (18), which can be coupled with the load-bearing structure (4) and with further self-supporting modules (1) and functions as support for the external finishing assembly (5), there being defined within the frame (18) a gap (21) designed to enable passage of a flow of air for aerating the external finishing assembly (5); and an insulation packet (6), which is coupled to the frame (3) and, has a plurality of layers (33), which are set in contact with one another and are made of at least one first insulating material, each layer (33) being set staggered with respect to the adjacent layers (33) in a first direction.							
3.	EP	2620567 - Composite heat insulation system with a fire barrier, heat insulation element and use of the heat insulation element as a fire barrier	31.07.2013	E04B 1/76	13152566	STO AG	HITZLER MARTIN
Die Erfindung betrifft ein Wärmedämmverbundsystem mit einer auf einer Außenseite einer Gebäudeaußenwand angebrachten ein- oder mehrlagigen Wärmedämmschicht und einer hierauf aufgebrachten ein- oder mehrlagigen Putzschicht, wobei die Wärmedämmschicht wenigstens eine Wärmedämmplatte aus einem Hartschaum, insbesondere aus einem Polystyrol-Hartschaum, sowie wenigstens ein platten- oder profilförmiges Wärmedämmelement zur Ausbildung einer Brandbarriere umfasst. Erfindungsgemäß umfasst das die Brandbarriere ausbildende, platten- oder profilförmige Wärmedämmelement einen Wärmedämmstoff, welcher Aerogel-Partikel und wenigstens ein wasserbasiertes organisches und/oder anorganisches Bindemittel enthält und eine Wärmeleitfähigkeit ‰¤ 0,028 W/(mK), vorzugsweise ‰¤ 0,025W/(mK), weiterhin vorzugsweise ‰¤ 0,022 W/(mK), besitzt. Ferner betrifft die Erfindung ein als Brandbarriere in einem Wärmedämmverbundsystem einsetzbares, platten- oder profilförmiges Wärmedämmelement sowie die Verwendung eines solchen platten- oder profilförmigen Wärmedämmelementes als Brandbarriere.							

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Resumen

- Examinar cada uno de los documentos
- Analizar series de documentos
- Remitirse a la publicación de la clasificación de patentes
  - Esquema
  - Palabras clave

tisc@wipo.int

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