

CPC Essentials I Part C

CPC Scheme Definitions

Classification Quality and International Cooperation (CQIC) Division
Office of International Patent Cooperation (OIPC)
United States Patent and Trademark Office (USPTO)

You have learned

The CPC scheme structure and different functions of **Titles**, **References**, and **Notes**, as well as their roles in defining the scope and content of a classification place

- The CPC hierarchical structure determines the order of groups.
- The **Titles**, **References**, and **Notes** of a hierarchically higher group define the scope and content of its lower groups.

The scope and content of a symbol should be interpreted according to its place in the hierarchy, and in view of **Titles**, **References**, and **Notes** of its place and its higher places.

Objectives

Topic:

- CPC Scheme **Definitions**
 - Definition statements
 - Relationships with other classification places
 - References
 - Special rules of classification
 - Glossary of terms
 - Synonyms and keywords
- Efficiently Navigate the CPC Scheme

At the end, you will know:

- What information related to classification and searches is included in Definitions, and where that information is located
- How to navigate in the CPC scheme to acquire relevant information efficiently

Expression and Terms in the Presentation

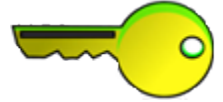
A *blue italic font text* in the presentation contains an instructor's explanation.

The term "classification place" generally refers to a symbol with a section, class, subclass, main group and a subgroup, used for classification.

The term "group(s)" refers to both main group and subgroup if not specifically identified as "main group" or "subgroup".


CPC Definitions

CPC Definitions



- Provide information for clarifying the scope of subclasses, main groups or subgroups
- Provide instructions on classification and searches in specialized technical areas
- Not provided in CPC sections, classes, indexing-only subclasses (e.g. A23V, F05B), or for the whole of section Y (e.g. Y04S, Y10S)

*Always consult **Definitions** to receive full information about the scheme for classification and searches.*

Section Headings	Functions 
Definition statement	What is covered
Relationships with other classification places	What are neighboring fields and defines the borders between neighboring fields
Limiting references	What is not covered
Application-oriented references References out of a residual place Informative references	List of neighboring fields <ul style="list-style-type: none"> ○ for search ○ for additional classification
Special rules of classification within this place	What and how to classify inventions within the indicated place
Glossary of terms	Terms used in group titles
Synonyms and keywords	Terms in classified documents

Definition Statement



A plain language explanation of the subject matter appropriate for classification in the specific area covered by the definition.

Example:

C07K 7/00

**Peptides having 5 to 20 amino acids in a fully defined sequence;
Derivatives thereof**

Scheme Title

Definition statement

This place covers:

- Oligomers of amino acids making up a sequence of between 5 and 20 residues in length containing at least one alpha peptide bond, which is also a normal peptide bond.
- Genes and nucleotide sequences coding for the above peptides.
- Crystals of the above peptides.
- Specific methods for the preparation of the above peptides.

Consult "Definition Statement" to fully understand the scope and content of classification places.

Relationship With Other Classification Places

Clarifies the scope of a classification place as it relates to other places, for example:

- Special rules of classification between different classification places, e.g. multiple classification in two subclasses
- Use of indexing subclasses or groups
- Relationships between a residual place and other related places
- Relationships between function-oriented (general) and application-oriented places

Example:

H01L

Relationship with other classification places

Micro-structural devices or systems are classified in subclass **B81B**, and the processes and apparatus specially adapted for the manufacture or treatment thereof are classified in subclass **B81C**.

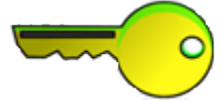
Read this section carefully to understand how this place is related to other areas. Such information is important for classification and prioritizing searches.

References in Definitions

Listed under the following subheadings according to their function or characteristics:

- *Limiting references*
- *Application-oriented references*
- *References out of a residual place*
- *Informative references*

Limiting vs Non-Limiting References



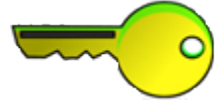
Limiting references (in the scheme and Definitions) exclude specified subject matter from the scope of a classification place, especially in groups that have overlapping subject matter. This exclusion is applied to the indicated group and its hierarchically lower groups.

- **References** present in (parentheses) in titles in the scheme
- **Precedence reference** in the scheme
- **Limiting references** in the **Definitions**: *"This subclass does not cover"*

Non-limiting references (in Definitions only) indicate the location of related subject matter.

- **Application-oriented references** present in function-oriented places, and point to application-oriented places which cover the subject matter is specially adapted.
- **References out of a residual place** present in residual places, and point to places that provide for the subject matter under consideration.
- **Informative references** are shown as a list of neighboring fields, indicating the location of (similar) subject matter that could be of interest for searching

Special Rules of Classification



Provide specific instructions on classification within the indicated classification place.

Example:

H04B

Special rules of classification

Transmission systems characterised by the medium used for transmission or by band of employing waves should be classified in groups **H04B3/00 - H04B11/00** or in residual group **H04B13/00**.

Transmission systems characterised by the use of carrier modulation or sub-carrier should be classified in group **H04B14/00** and details thereof in group **H04B1/00**.

Always consult this section for information about classification and searches within the indicated place.

Glossary of Terms

Particular words or expressions receive a specific meaning in the art, which have consequences in the classification decision. The terms are explained in this section.

Example:

A61K 8/60

Glossary of terms

*In this subgroup, the following terms (or expressions) are used with the meaning **indicated**:*

Glycoside	acetal derivative of a sugar.
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Synonyms and Keywords

An optional section intended for establishing synonyms, keywords, abbreviations and acronyms from terms used in patent documents or in technical literature. Useful for a searcher when establishing a search strategy.

Example:

A61K 51/00

Synonyms and keywords

In patent documents the following abbreviations are often used:

PET	Position Emission Tomography
SPECT	Single Photon Emission Computed Tomography

Knowledge Check Question 1



What part(s) of the CPC scheme will help you find proper classification symbols relevant to your classification and search?

- A. **Titles** and **Definitions**
- B. **References** and **Notes**
- C. **Relationship with other classification places**
- D. **Warnings**
- E. A, B and C, or
- F. A-D

Knowledge Check Question 1 Answer



F is the correct answer.

Titles, **References**, **Notes**, and **Definitions** defines the scope of a classification place. Specifically, what is included in or excluded from the place.

Relationship with other classification places in **Definition** set boundaries between a classification place and other neighboring places, and indicate what subject matter is covered or not covered by the group in relation to other classification places.

Warnings indicate that some groups are not complete pending reclassification and what other groups should use for classification and search or where CPC deviates from IPC.

Thus, all information in **A**, **B**, **C**, and **D** will help you find proper classification symbols that are relevant to your classification and searches.

British and American English in CPC



Keep in mind various language and differences in spelling when reviewing and searching the Scheme.

American	British
Sedan	Saloon
Gas	Petrol
Truck	Lorry
Bathroom	Loo
Line	Queue
Stove	Hob
Napkins	Serviettes
Hood	Bonnet

American vs. British Spelling



-ER vs. -RE

American

- center
- meter

British

- centre
- metre

-LL vs. -L

American

- enrollment
- skillful

British

- enrolment
- skilful

-DG vs. -DGE

American

- aging
- abridgment

British

- ageing
- abridgement

-ED vs. -T

American

- dreamed
- burned

British

- dreamt
- burnt

-OG vs. -OGUE

American

- analog
- catalog

British

- analogue
- catalogue

-ENSE vs. -ENCE

American

- defense
- license

British

- defence
- licence

-K vs. -QUE

American

- bank
- check

British

- banque
- cheque

-OR vs. -OUR

American

- color
- favorite
- armor

British

- colour
- favourite
- armour

-E vs. -OE or -AE

American

- encyclopedia
- maneuver
- leukemia

British

- encyclopaedia
- manoeuvre
- lukaemia

-ZE vs. -SE

American

- analyze
- criticize
- memorize

British

- analyse
- criticise
- memorise

Things to Remember About the CPC Scheme and Definitions



- **Titles, References, Notes and Definitions** of a hierarchically higher classification places define the scope and content of its lower groups.
- Limiting references exclude specified subject matter from the scope of a classification place, especially in places that have overlapping subject matter. This exclusion is applied to the indicated place and its hierarchically lower subdivisions.
- Non-limiting references indicate the location of related but not overlapping subject matter.
- **Relationships with other classification places** indicate neighboring places, which guide you to proper places for classification and searches.
- **Special rules of classification within this place** provides specific instructions on classification and search within the indicated classification place.

Efficiently Navigate The CPC Scheme

Navigating the CPC Scheme



- Follow the hierarchical structure of the scheme to acquire complete information for classifications or searches.
 - Check **Titles**, **Notes**, **References** and **Definitions** specific to the direct parent-child hierarchical relationship and those in the subclass level or above to acquire complete information.
- Become familiar with CPC tools, and take advantage of the links provided by CPC tools, e.g. **CAT** and **CPC Scheme Navigator**.
- Become familiar with the Scheme and Definitions of subclasses you frequently use, including what is covered and not covered in the specific subclass and its neighboring subclasses.
- Consult CPC quality nominees (QNs) and co-workers in your technology field.

Multiple CPC Tools

- Classification Homepage
- CPC Scheme Classic (HTML version)
- EAST/WEST
- Classification Allocation Tool (CAT)
- CPC Scheme Navigator

Accessing CPC Scheme Navigator (1)

The screenshot displays the CAT (Classification Allocation Tool) web interface. On the left, a sidebar lists navigation options: Classification Picture Lookup, QN Directory Lookup, CPC Scheme Lookup (highlighted with a blue bar and a right-pointing triangle), CPC Crosswalk Lookup, and CPC Collections Lookup. The main content area is titled 'CPC Scheme Lookup' and includes a 'Scheme View' link. Below this, it prompts the user to 'Input Types (pick one)' with three dropdown menus: 'Sec/Class/Subclass' (showing 'A61K'), 'Main Group' (showing '35'), and 'Subgroup' (showing '12'). A text input field labeled 'Text' with the placeholder 'Enter Text' is also present. At the bottom right of the main area are 'Clear' and 'Submit' buttons. On the right side of the interface, there is an 'Announcements' section with a cat logo and links to 'CPC Home', 'FY17 Cal.', and 'Rel. Notes'. Below this is a green 'PASM Support' banner followed by a link to 'CPC Training Material & References'. A list of links follows: 'CPC Revision Requests', 'Patent Application Transfer Tool (PATT)', 'Consolidated Revision Concordance List (RCL)', 'CPC Notices of Changes (NoCs)', 'CPC Scheme Classic' (highlighted with a yellow box), and 'CPC Scheme Navigator' (highlighted with a pink box). At the bottom right is a 'CAT Service Advisory' section containing three bullet points: 'CAT 1.18: (Oct. 06, 2017) is in effect, please clear G.Chrome browsing data (Ctrl+H). To see latest enhancements ... [click here](#)', 'Scheme Navigator 1.8 (Aug 25, 2017) is in effect, to see latest enhancements ... [click here](#)', and 'QN Directory - for updates, please contact CQIC ... [click here](#)'. A 'Helpful Hints' section is partially visible at the very bottom.

CAT Home

Classification Allocation Tool (CAT)

CPC Tools

Classification Picture Lookup

QN Directory Lookup

► CPC Scheme Lookup

CPC Crosswalk Lookup

CPC Collections Lookup

CPC Scheme Lookup

Scheme View

Input Types (pick one)

Sec/Class/Subclass Main Group Subgroup

A61K 35 / 12

Text

Enter Text

Clear Submit

Announcements

CAT Announcements

[CPC Home](#) | [FY17 Cal.](#) | [Rel. Notes](#)

PASM Support

► [CPC Training Material & References](#)

[CPC Revision Requests](#)

[Patent Application Transfer Tool \(PATT\)](#)

[Consolidated Revision Concordance List \(RCL\)](#)

[CPC Notices of Changes \(NoCs\)](#)

[CPC Scheme Classic](#)

[CPC Scheme Navigator](#)

CAT Service Advisory

- **CAT 1.18: (Oct. 06, 2017)** is in effect, please clear G.Chrome browsing data (Ctrl+H). To see latest enhancements ... [click here](#)
- **Scheme Navigator 1.8** (Aug 25, 2017) is in effect, to see latest enhancements ... [click here](#)
- **QN Directory** - for updates, please contact CQIC ... [click here](#)

Helpful Hints


Look up or Search CPC Symbols

Home Scheme Navigator

Scheme Version: 2017.2

Indent Level Sections Subsections Classes Subclasses Section Index A B C D E F G H Y ⓘ ⚠ CPC IPC 📄 (—)

CPC Scheme Navigator ⓘ

 CPC Scheme Navigator

*ec/Class/Subclass Main Group Subgroup

A61K 48 / 00

Keyword Search ⓘ

(Light emit* diode?) AND laser?

Search in

☒ Titles

☐ Notes & Warnings

☐ Definitions

Clear Submit

+ A - HUMAN NECESSITIES ⓘ ⓘ

+ B - PERFORMING OPERATIONS; TRANSPORTING ⓘ ⓘ

+ C - CHEMISTRY; METALLURGY ⓘ ⓘ

+ D - TEXTILES; PAPER ⓘ

+ E - FIXED CONSTRUCTIONS ⓘ

+ F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS ⓘ ⓘ

+ G - PHYSICS ⓘ ⓘ

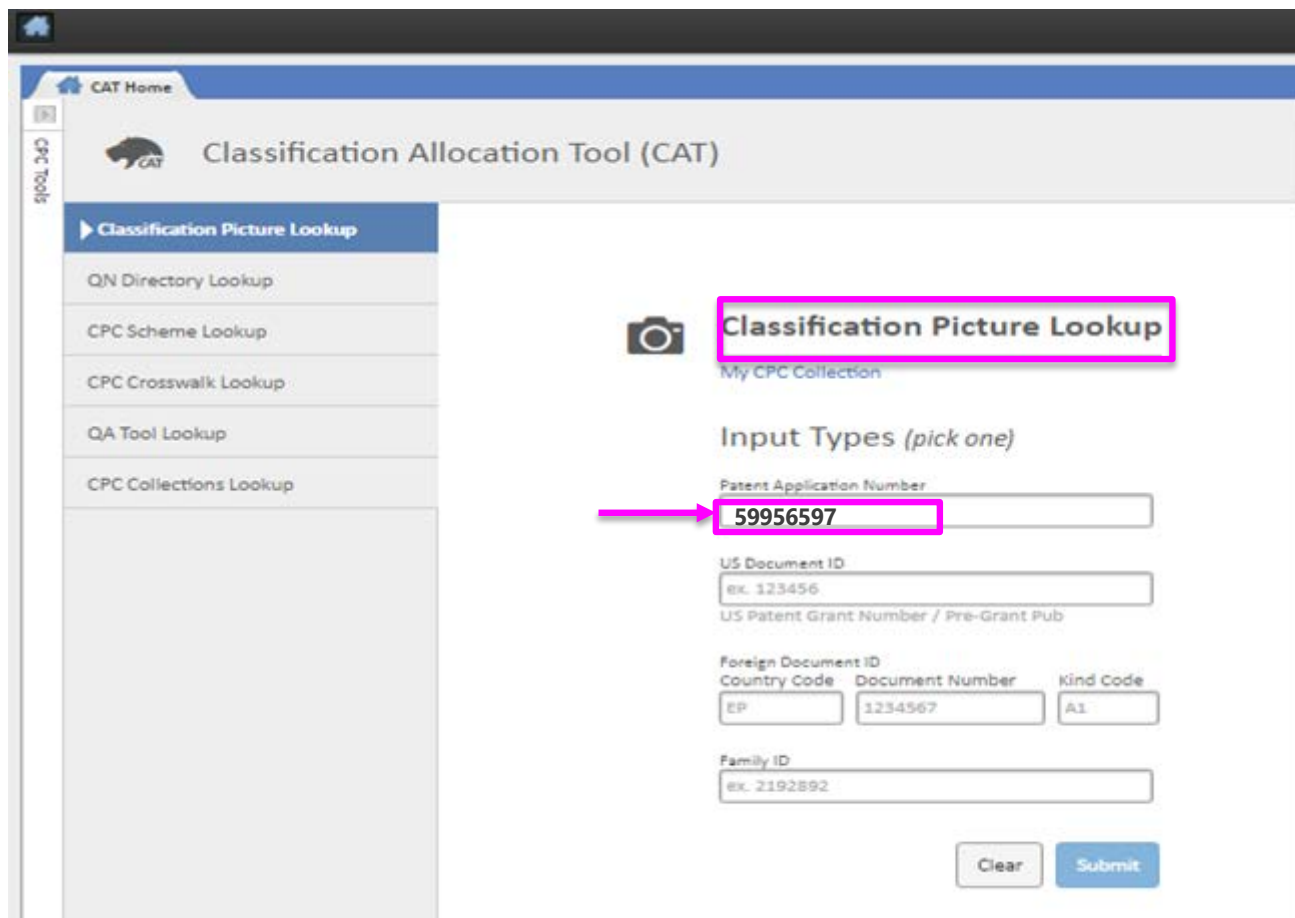
+ H - ELECTRICITY ⓘ ⓘ

+ Y - GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS ⓘ ⓘ

Symbol
search

Keyword
search
window

Accessing CPC Scheme Navigator (2)



The screenshot displays the Classification Allocation Tool (CAT) interface. On the left, a sidebar lists navigation options: CAT Home, Classification Picture Lookup (highlighted), Q/N Directory Lookup, CPC Scheme Lookup, CPC Crosswalk Lookup, QA Tool Lookup, and CPC Collections Lookup. The main content area is titled 'Classification Allocation Tool (CAT)' and features a 'Classification Picture Lookup' section. This section includes a camera icon, a link to 'My CPC Collection', and a heading 'Input Types (pick one)'. Below this, there are several input fields: 'Patent Application Number' (containing '59956597'), 'US Document ID' (with an example 'ex. 123456'), 'US Patent Grant Number / Pre-Grant Pub', 'Foreign Document ID' (with sub-fields for Country Code 'EP', Document Number '1234567', and Kind Code 'A1'), and 'Family ID' (with an example 'ex. 2192892'). At the bottom right, there are 'Clear' and 'Submit' buttons. A pink box highlights the 'Classification Picture Lookup' title, and a pink arrow points to the 'Patent Application Number' input field.

CAT Home

Classification Allocation Tool (CAT)

Classification Picture Lookup

Q/N Directory Lookup

CPC Scheme Lookup

CPC Crosswalk Lookup

QA Tool Lookup

CPC Collections Lookup

Classification Picture Lookup

My CPC Collection

Input Types (pick one)

Patent Application Number

59956597

US Document ID

ex. 123456

US Patent Grant Number / Pre-Grant Pub

Foreign Document ID

Country Code Document Number Kind Code

EP 1234567 A1

Family ID

ex. 2192892

Clear Submit

CAT links Symbols to Scheme Navigator

CAT

Results: Application Number 59956597

Family ID: 1000001895087 [View Classification](#)

Allocations (7)

No.	Symbol	Type
1	A01M 23/06	F
2	A01M 23/04	I
3	A01M 1/103	I
4	A01M 1/12	I
5	A01M 1/026	I
6	A01M 31/002	I
7	G08C 17/02	I

Scheme Navigator

Home Scheme Navigator

Scheme Version: 2017.08

Section **Index** A B C D E F G H Y [i](#) [A](#) [CPC](#) [IPC](#) [...](#) [IDX](#)

Results: A01M 23/06

CPC Scheme Navigator

Indent Level **Guidance Headings** Main Groups Indent(5) Expand All **Symbol Hierarchy OFF**

CPC	CPC Title
A01M	CATCHING OR TRAPPING OF ANIMALS (apiculture A01K47/00 - A01K51/00); APPARATUS FOR THE DESTRUCTION OF NOXIOUS ANIMALS OR AIRCRAFT FOR DROPPING OR RELEASING POWDERED, LIQUID OR GASEOUS MATTER, E
A01M 21/02	• Apparatus for mechanical destruction {(hand-tools for uprooting weeds A01B39/18; harvesting machines A01D; cutting implements
A01M 21/04	• Apparatus for destruction by steam, chemicals, burning, or electricity
A01M 21/043	• {by chemicals}
A01M 21/046	• {by electricity}
A01M 23/00	Traps for animals
A01M 23/005	• {with sticky surfaces (for insects A01M1/14)}
A01M 23/02	• Collecting-traps
A01M 23/04	• {with tipping platforms}
A01M 23/06	• {with locking mechanism for the tipping platform}
A01M 23/08	• {with approaches permitting entry only}
A01M 23/10	• {with rotating cylinders or turnstiles}

Important Icons in Scheme Navigator



Global buttons control for all levels

1. Notes
2. Warnings
3. CPC text
4. IPC Concordance
5. Revision date
6. References
7. Index Codes

At subclass, group and subgroup levels

Home Scheme Navigator x

Scheme Version: 2016.11

Section Index A B C D E F G H Y

1 2 3 4 5 6 7

Results: H01L

CPC Scheme Navigator

Indent Level Guidance Headings Main Groups Indent(12) Expand All Symbol Hierarchy OFF

CPC	CPC Title
H01L	SEMICONDUCTOR DEVICES; ELECTRIC SOLID STATE DEVICES NOT OTHERWISE PROVIDED FOR (use of semiconductor devices for measuring G01; resistors in general H01C; magnets, inductors {in general} , transformers H01F; capacitors in general H01G; electrolytic devices H01G9/00; batteries, accumulators H01M; waveguides, resonators or lines of the waveguide type H01P; line connectors, current collectors H01R; stimulated emission devices H01S; electromechanical resonators H03H; loudspeakers, microphones, gramophone pick-ups or like acoustic electromechanical transducers H04R; electric light sources in general H05B; printed circuits, hybrid circuits, casings or constructional details of electric apparatus, manufacture of assemblages of electrical components H05K; use of semiconductor devices in circuits having a particular application, see the subclass for the application)
H01L 21/00	Processes or apparatus adapted for the manufacture or treatment of semiconductor or solid state devices or of parts thereof ((testing or measuring during manufacture or treatment, or reliability measurements H01L22/00; multistep manufacturing processes for passive two-terminal components without a potential-jump or surface barrier for integrated circuits H01L28/00;) processes or apparatus peculiar to the manufacture or treatment of devices provided for in groups H01L31/00 - H01L51/00 or of parts thereof, see these groups; single-step processes covered by other subclasses, see the relevant subclasses, e.g. C23C, C30B; photomechanical production of textured or patterned surfaces, materials or originals therefor, apparatus specially adapted therefor, in general G03F)
H01L 21/02	• Manufacture or treatment of semiconductor devices or of parts thereof
H01L 21/02002	•• {Preparing wafers}
H01L 21/02005	••• {Preparing bulk and homogeneous wafers}
H01L 21/02008	•••• {Multistep processes}

Symbol Information

1 2 3 4 5 6 7

Read Scheme and Definitions Side-by-Side



Home Scheme Navigator x

Scheme Version: 2016.11

Section Index A B C D E F G H Y i A CPC IPC (...) IDX

Results: A61k

The Scheme

Indent Level Guidance Headings Main Groups Indent(9) Expand All Symbol Hierarchy OFF

CPC Scheme Navigator

A61K PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES (devices or methods specially adapted for bringing pharmaceutical products into particular physical or administering forms A61J3/00; chemical aspects of, or use of materials for deodorisation of air, for disinfection or sterilisation, or for bandages, dressings, absorbent pads or surgical articles A61L; {compounds per se C01, C07, C08, C12N}); soap compositions C11D; {micro-organisms per se C12N}

A61K 6/00 Preparations for dentistry (teeth cleaning preparations A61K8/00, A61Q11/00; {dental prostheses A61C13/00; apparatus or methods for oral or dental hygiene A61C})

A61K 6/0002 • {Compositions characterised by physical properties}

A61K 6/0005 • • {by refractive index}

A61K 6/0008 • • {by particle size}

A61K 6/0011 • • {by retraction, e.g. compositions for widening the sulcus for making dental impressions or removing teeth}

A61K 6/0014 • • {Self-expanding, e.g. for filling teeth}

A61K 6/0017 • • {Protective coating for natural or artificial teeth, such as sealing, dye coating, varnish}

A61K 6/002 • • {Compositions for detecting or measuring, e.g. contact points, irregularities on natural or artificial teeth}

Definitions

Symbol Information

A61K 6/0002 [MS Word]

{Compositions characterised by physical properties}

Definition statement

This place covers:

Compositions characterised by physical properties and physical parameters in general.

Note: For example a composition of a semi-crystalline resin and nano-cluster with the physical property of being self supporting. Furthermore the self-supporting structure has sufficient malleability to be reformed into a second shape, preferably at a temperature of about 15°C to 38°C, more preferably at a temperature of about 20°C to 38°C etc.

(see also special rules section)

References

Limiting references

This place does not cover:

Image-producing devices	A61B90/26
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Symbol Hierarchy



Symbol Hierarchy OFF

1

CPC	CPC Title
H01L	SEMICONDUCTOR DEVICES; ELECTRIC SOLID STATE DEVICES NOT OTHERWISE PROVIDED FOR; transformers H01F; capacitors in general H01G; electrolytic devices H01G9/00; batteries H01M; collectors H01R; stimulated emission devices H01S; electromechanical resonators H03H; light sources in general H05B; printed circuits, hybrid circuits, casings or constructional devices in circuits having a particular application, see the subclass for the application)
H01L 21/00	Processes or apparatus adapted for the manufacture or treatment of semiconductor devices or parts thereof; measurements H01L22/00; multistep manufacturing processes for passive two-terminal apparatus peculiar to the manufacture or treatment of devices provided for in groups H01L 21/00 to H01L 21/02; see the relevant subclasses, e.g. C23C, C30B; photomechanical production of textured devices
H01L 21/02	• Manufacture or treatment of semiconductor devices or of parts thereof
H01L 21/02002	.. {Preparing wafers}
H01L 21/02005	... {Preparing bulk and homogeneous wafers}
H01L 21/02008	.... {Multistep processes}
H01L 21/0201	..... {Specific process step}
H01L 21/02013	..... {Grinding, lapping}
H01L 21/02016	..... {Backside treatment}
H01L 21/02019	..... {Chemical etching}
H01L 21/02021	..... {Edge treatment, chamfering}
H01L 21/02024	..... {Mirror polishing}
H01L 21/02027	.... {Setting crystal orientation}
H01L 21/0203	.... {Making porous regions on the surface}
H01L 21/02032	.... {by reclaiming or re-processing}
H01L 21/02035	.... {Shaping}
H01L 21/02041	.. {Cleaning}
H01L 21/02043	... {Cleaning before device manufacture, i.e. Begin-Of-Line process}
H01L 21/02046	.... {Dry cleaning only (H01L21/02085 takes precedence)}

2

Symbol Hierarchy ON

CPC	CPC Title
H01L	SEMICONDUCTOR DEVICES; ELECTRIC SOLID STATE DEVICES NOT OTHERWISE PROVIDED FOR; transformers H01F; capacitors in general H01G; electrolytic devices H01G9/00; batteries, accumulators H01M; waveguide devices H01Q; gramophone pick-ups or like acoustic electromechanical devices H03H; light sources in general H05B; printed circuits, hybrid circuits, casings or constructional devices in circuits having a particular application, see the subclass for the application)
H01L 21/00	Processes or apparatus adapted for the manufacture or treatment of semiconductor devices or parts thereof; measurements H01L22/00; multistep manufacturing processes for passive two-terminal components without a potential barrier at one end; single-step processes covered by other groups; see the relevant subclasses, e.g. C23C, C30B; photomechanical production of textured devices
H01L 21/02	• Manufacture or treatment of semiconductor devices or of parts thereof
H01L 21/02002	•• {Preparing wafers}
H01L 21/02005	••• {Preparing bulk and homogeneous wafers}
H01L 21/02035	•••• {Shaping}
H01L 21/02041	•• {Cleaning}
H01L 21/02043	••• {Cleaning before device manufacture, i.e. Begin-Of-Line process}
H01L 21/02046	•••• {Dry cleaning only (H01L21/02085 takes precedence)}

Find Indexing Codes



Interface showing the **IDX** button highlighted in pink, indicating it is **OFF**.

Home | Scheme Navigator

Scheme Version: 2016.11

Results: H01G

CPC Scheme Navigator

CPC	CPC Title
H01G	CAPACITORS; CAPACITORS, RECTIFIERS, DETECTORS, RECTIFIERS, DETECTORS, TYPE (selection of specified materials as dielectric)
[-] H01G 9/00	Electrolytic capacitors, rectifiers, detectors, their manufacture
H01G 9/0003	• {Protection against electric or thermal overvoltage (H01G9/12 takes precedence)}
[-] H01G 9/0029	• {Processes of manufacture}

Interface showing the **IDX** button highlighted in pink, indicating it is **ON**.

CPC Scheme Navigator

CPC	CPC Title
H01G	CAPACITORS; CAPACITORS, RECTIFIERS, DETECTORS, RECTIFIERS, DETECTORS, TYPE (selection of specified materials as dielectric)
H01G 7/00	• Having a dielectric selected for the value H01G7/02
[-] H01G 9/00	Electrolytic capacitors, rectifiers, detectors, their manufacture
H01G 9/0003	• {Protection against electric or thermal overvoltage (H01G9/12 takes precedence)}
H01G 2009/0007	• {Double layer capacitors}
H01G 2009/001	• {Temperature sensitive devices}
[-] H01G 2009/0014	• {Solid electrolytic capacitors}
H01G 2009/0018	• • {with wound foil electrodes}
H01G 2009/0021	• • {Skin fibre}
H01G 2009/0025	• {Liquid electrolytic capacitors}
[-] H01G 9/0029	• {Processes of manufacture}

IPC Concordance and CPC Text



CPC IPC OFF

Home Scheme Navigator		
Scheme Version: 2016.11		
Results: A61K		
CPC	CPC Title	
A61K	PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES (devices or methods specially adapted for bringing pharmaceutical products into particular physical or chemical forms, e.g. in solid form as tablets, capsules, gels, ointments, or in liquid form as suspensions, emulsions, or solutions; material for deodorisation of air, for disinfection or sterilisation, or for bandages, dressings, absorbent pads or surgical articles A61L; {compounds per se C01, C07, C12N})	
— A61K 6/00	Preparations for dentistry (teeth cleaning preparations, apparatus or methods for oral or dental hygiene)	
— A61K 6/0002	• {Compositions characterised by physical properties}	
A61K 6/0005	•• {by refractive index}	
A61K 6/0008	•• {by particle size}	
A61K 6/0011	•• {by retraction, e.g. compositions for widening the sulcus for making dental impressions or removing teeth}	
A61K 6/0014	•• {Self-expanding, e.g. for filling teeth}	
A61K 6/0017	•• {Protective coating for natural or artificial teeth, such as sealing, dye coating, varnish}	
A61K 6/002	•• {Compositions for detecting or measuring, e.g. contact points, irregularities on natural or artificial teeth}	
— A61K 6/0023	• {Chemical means for temporarily or permanently fixing teeth, palates or the like}	
A61K 6/0026	•• {Preparations for stabilising dentures in the mouth}	
A61K 6/0029	• {Primers (adhesive primers A61K6/0023)}	

CPC IPC ON

Home Scheme Navigator		
Scheme Version: 2016.11		
Results: A61K		
CPC	IPC	CPC Title
A61K		PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES (devices or methods specially adapted for bringing pharmaceutical products into particular physical or administering forms A61J3/00; chemical aspects of, or use of materials for deodorisation of air, for disinfection or sterilisation, or for bandages, dressings, absorbent pads or surgical articles A61L; {compounds per se C01, C07, C08, C12N}) ; soap compositions C11D; {micro-organisms per se C12N}
— A61K 6/00	A61K 6/00	Preparations for dentistry (teeth cleaning preparations A61K8/00, A61Q11/00; {dental prostheses A61C13/00; apparatus or methods for oral or dental hygiene A61C})
— A61K 6/0002	A61K 6/00	• {Compositions characterised by physical properties}
A61K 6/0005	A61K 6/00	•• {by refractive index}
A61K 6/0008	A61K 6/00	•• {by particle size}
A61K 6/0011	A61K 6/00	•• {by retraction, e.g. compositions for widening the sulcus for making dental impressions or removing teeth}
A61K 6/0014	A61K 6/00	•• {Self-expanding, e.g. for filling teeth}
A61K 6/0017	A61K 6/00	•• {Protective coating for natural or artificial teeth, such as sealing, dye coating, varnish}
A61K 6/002	A61K 6/00	•• {Compositions for detecting or measuring, e.g. contact points, irregularities on natural or artificial teeth}
— A61K 6/0023	A61K 6/00	• {Chemical means for temporarily or permanently fixing teeth, palates or the like}
A61K 6/0026	A61K 6/00	•• {Preparations for stabilising dentures in the mouth}
A61K 6/0029	A61K 6/00	• {Primers (adhesive primers A61K6/0023)}

Text Search Within Scheme/Definitions



1. Enter search term **Light AND emit* AND diode*** in the Keyword Search box.
2. Select the area of the scheme to search.
3. Search results opens in the center panel. The number of results is listed next to the scheme Section.
4. Click on the CPC symbol to open the Scheme Navigator in the bottom center panel.
5. View search results in the Definitions are shown in the right hand panel. The keyword search is highlighted. Click on the CPC symbol to open the Definitions in the lower right hand panel.
6. Definitions are shown in the lower right hand panel.
7. Narrow searches to specific subclass by selecting option to Keywords Search in Sec/Class/Subclass plus Keyword Search.

The screenshot displays the CPC Scheme Navigator interface with the following components and annotations:

- Top Panel:** Shows the search term "Light AND emit* AND diode*" in the Keyword Search box (7). The search is performed in the "Definitions" section (7).
- Left Panel (CPC Scheme Navigator):** Displays the search results for "Light AND emit* AND diode*" (1). The results are listed under the "A (4) HUMAN NECESSITIES" section (3). The search is performed in the "Definitions" section (2).
- Right Panel (Definition Results):** Shows the definition for "A41D 27/085" (5). The definition is highlighted in blue. The search is performed in the "Definitions" section (6).
- Bottom Panel (CPC Scheme Navigator):** Displays the search results for "Light AND emit* AND diode*" (1). The results are listed under the "A (4) HUMAN NECESSITIES" section (3). The search is performed in the "Definitions" section (2).

Annotations 1 through 7 are placed on the interface to guide the user through the search process:

- 1. Keyword Search box
- 2. Search in: Definitions
- 3. Scheme Results for: 'Light AND emit* AND diode*'
- 4. CPC Scheme Navigator
- 5. Definition Results for: 'Light AND emit* AND diode*'
- 6. Definition Results for: 'Light AND emit* AND diode*'
- 7. Search in: Definitions

Text Search Query Syntax



Quick Tips

Boolean	AND, OR, NOT, +, -	Use Capitals
Wildcards	? *	
Exact Match– Quotation	""	
Grouping	()	
Ranges	{x TO y} [x TO y]	Word ranges
Fuzzy	~	Words with same letters

Summary

You should now be familiar with:

- How information is organized in the CPC scheme and Definitions, and where to find classification and search information.
- How to navigate the CPC scheme and Definitions to efficiently acquire information for classification and searching.

CPC Resources

- CPC General Website:
<http://www.cooperativepatentclassification.org>
- Guide to the CPC:
<http://www.cooperativepatentclassification.org/publications/GuideToTheCPC.pdf>

Thank you for your attention!

