C01G

COMPOUNDS CONTAINING METALS NOT COVERED BY SUBCLASSES C01D OR C01F (metal hydrides {monoborane, diborane or addition complexes thereof} C01B 6/00; salts of oxyacids of halogens C01B 11/00; peroxides, salts or peroxyacids C01B 15/00; thiosulfates, dithionites, polythionates C01B 17/64; compounds containing selenium, or tellurium C01B 19/00; binary compounds of nitrogen with metals C01B 21/06; azides C01B 21/08; {compounds containing nitrogen, other non-metals and metal C01B 21/082}; metal amides C01B 21/092; nitrites C01B 21/50; {compounds of noble gases C01B 23/0005}; phosphides C01B 25/08; salts of oxyacids of phosphorus C01B 25/16; carbides C01B 32/90; compounds containing silicon C01B 33/00; compounds containing boron C01B 35/00; compounds having molecular sieve properties but not having base-exchange properties C01B 37/00; compounds having molecular sieve and base-exchange properties, e.g. crystalline zeolites, C01B 39/00; cyanides C01C 3/08; salts of cyanamide C01C 3/16; thiocyanates C01C 3/20)

Definition statement

This place covers:

Inorganic compounds or salts containing metals like Cu, Ag, Au, Zn, Cd, Hg, Ga, In, Tl, Ge, Sn, Pb, Ti, Zr, Hf, As, Bi, Sb, V, Nb, Ta, Cr, Mo, W, U, Mn, Re, Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt and the transuranic elements (Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr).

Relationships with other classification places

MULTIPLE CLASSIFICATION

Biocidal, pest repellant, pest attractant, or plant growth regulatory activity of chemical compounds or preparations is further classified in A01P.

Therapeutic activity of chemical compounds or medicinal preparations is further classified in subclass A61P.

Uses of cosmetics or similar toilet preparations are further classified in subclass A61Q.

References

Limiting references

This place does not cover:

Metal hydrides, monoborane, diborane or addition complexes thereof	C01B 6/00
Salts of oxyacids of halogens	C01B 11/00
Peroxides, salts of peroxyacids	C01B 15/00
Thiosulfates, dithionites, polythionates	C01B 17/64
Compounds containing selenium or tellurium	C01B 19/00
Binary compounds of nitrogen with metals	C01B 21/06
Azides	C01B 21/08
Compounds other than ammonia or cyanogen containing nitrogen and non-metals and optionally metals	C01B 21/082
Metal imides or amides	C01B 21/092

Nitrites	C01B 21/50
Compounds of noble gases	C01B 23/0005
Phosphides	C01B 25/08
Salts of oxyacids of phosphorus	C01B 25/16
Carbides	C01B 32/90
Compounds containing silicon	C01B 33/00
Compounds containing boron	C01B 35/00
Compounds having molecular sieve properties but not having base-exchange properties	C01B 37/00
Compounds having molecular sieve and base-exchange properties, e.g. crystalline zeolites	C01B 39/00
Cyanides	C01C 3/08
Salts of cyanamide	C01C 3/16
Thiocyanates	C01C 3/20

Informative references

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

Sulfides or polysulfides of magnesium, calcium, strontium or barium	C01B 17/42
Amides or imides of silicon	C01B 21/087
Salts of cyanic acid	C01C 3/14
Double sulfates of magnesium with sodium or potassium	C01D 5/12
Lithium compounds	C01D 15/00
Rubidium, caesium or francium compounds	C01D 17/00
Treatment of specific inorganic materials other than fibrous fillers, for use as filler or pigment	C09C
Metallurgy of iron	C21
Metallurgy, ferrous or non-ferrous alloys	C22
Treatment of ores	C22B

Special rules of classification

The physical properties of the specific compounds of metals are indexed according to the C01P-Indexing code scheme.

In case a group is indicated as indexed, the subgroups thereof are also indexed.

The C01P-Indexation scheme deals with structural and physical aspects of solid inorganic compounds classified in subclasses C01B - C01G and C09C. These aspects include crystal-structural characteristics, particle morphology and physical properties.

Exception from the last appropriate place rule:

Dopant: A dopant, also called a doping agent, is a trace impurity element that is inserted into a substance (in very low concentrations) in order to alter the physical properties of the substance. For the purpose of classification, a dopant is considered as such when its concentration is less than 5% (wt, vol, at.) or when mentioned as such in the patent document to be classified.

In such a case, the compound is classified ignoring the dopant(s) and the last appropriate place rule does not apply in view of the dopant(s). In case of doubts, the document is given the class relating to the last appropriate place rule by taking into account the dopant(s) and in the appropriate class, without taking into account the dopant(s).

C01G 1/00

Methods of preparing compounds of metals not covered by subclasses C01B, C01C, C01D, or C01F, in general (electrolytic production of inorganic compounds C25B 1/00)

Definition statement

This place covers:

All methods, i.e. solid state, wet (precipitation, co-precipitaion) and gaseous (flame pyrolysis) methods for preparing compounds of metals not classified in the other C01G 1/02 - C01G 1/14 groups (last appropriate place rule has to be applied).

References

Limiting references

This place does not cover:

Electrolytic production of inorganic compounds	C25B 1/00

Special rules of classification

Specific examples are classified also according to the last appropriate rule in the suitable C01G subclass. Physical properties of the specific compounds of metals are indexed according the C01P-Indexing code scheme.

The C01P-Indexation scheme deals with structural and physical aspects of solid inorganic compounds classified in subclasses C01B - C01G and C09C. These aspects include crystal-structural characteristics, particle morphology and physical properties.

C01G 1/02

Oxides

Definition statement

This place covers:

Only general methods of preparing metal oxides or multi metal oxides.

References

Informative references

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

Other relevant classes see	C01G 3/00- C01G 99/00

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

A document is classified in this class, as soon as it is describing a method which is used for preparing several metal oxides. Example : a method for preparing chromium, copper or nickel oxides. In this example the following classes are additionally given : C01G 37/02, C01G 3/02 and C01G 53/04

C01G 1/04

Carbonyls

Definition statement

This place covers:

General methods for preparing metal carbonyls or metal carbonyl mixed metal salts

References

Informative references

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

Mn carbonyl	C01G 45/04
Fe carbonyl	C01G 49/16
Co carbonyl	C01G 51/02
Ni carbonyl	C01G 53/02
Ru,Rh,Pd,Os,Ir,Pt carbonyl	C01G 55/008

Special rules of classification

Specific examples shall be classified in the appropriate C01G 3/00-C01G 99/00 classes. The C01P-Indexation scheme shall be applied.

C01G 1/06

Halides

Definition statement

This place covers:

General methods for making metal halides or multi metal halides

References

Informative references

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

Other relevant classes see	C01G 3/00- C01G 99/00
Cu halides	C01G 3/04- C01G 3/06
Ag halides	C01G 5/02
Zn halides	C01G 9/04
Hg halides	C01G 13/04
Ge halides	C01G 17/04
Sn halides	C01G 19/04
Pb halides	C01G 21/16
Ti halides	C01G 23/02

Zr halides	C01G 25/00
Hf halides	C01G 27/04
As halides	C01G 28/007
Sb halides	C01G 30/006
V halides	C01G 31/04
Ta halides	C01G 35/02
Cr halides	C01G 37/04
Mo halides	C01G 39/04
W halides	C01G 41/04
U halides	C01G 43/04 - C01G 43/12
Mn halides	C01G 45/06
Fe halides	C01G 49/10
Co halides	C01G 51/08
Ni halides	C01G 53/08
Ru, Rh,Pd,Os,Ir,Rh halides	C01G 55/005
Transuranic compounds halides	C01G 56/00
Pu	C01G 56/006

Special rules of classification

Specific examples shall be classified in the appropriate C01G 3/00-C01G 99/00 classes.

The C01P-Indexation scheme shall be applied.

C01G 1/08

Nitrates

Definition statement

This place covers:

General methods of making metal or multi metal halides

References

Informative references

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

Other relevant classes see	C01G 3/00- C01G 99/00
Cu nitrates	C01G 3/08
Pb nitrates	C01G 21/18
Mn nitrates	C01G 45/08

Special rules of classification

Specific examples shall be classified in the appropriate C01G 3/00-C01G 99/00 classes.

The C01P-Indexation scheme shall be applied.

C01G 1/10

Sulfates

Definition statement

This place covers:

General methods of making metal sulfates or multi metal sulfates.

References

Informative references

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

Other relevant classes	C01G 3/00- C01G 99/00
Cu sulfates	C01G 3/10
Zn sulfates	C01G 9/06
Pb sulfates	C01G 21/20
Ti sulfates	C01G 23/008
Zr sulfates	C01G 25/06
Hf sulfates	C01G 27/06
Cr sulfates	C01G 37/08
Mn sulfates	C01G 45/10
Fe sulfates	C01G 49/14
Co sulfates	C01G 51/10
Ni sulfates	C01G 53/10

Special rules of classification

Specific examples shall be classified in the appropriate C01G 3/00-C01G 99/00 classes. The C01P-Indexation scheme shall be applied.

C01G 1/12

Sulfides

Definition statement

This place covers:

General methods for preparing metal or multi metal sulfides, i.e. compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

References

Informative references

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

Other relevant classes	C01G 3/00- C01G 99/00
Cu Sulfides	C01G 3/12

Zn Sulfides	C01G 9/08
Cd Sulfides	C01G 11/02,
Pb Sulfides	C01G 21/21
Ti Sulfides	C01G 23/007
As Sulfides	C01G 28/008
Sb Sulfides	C01G 30/008
Mo Sulfides	C01G 39/06
Fe	C01G 49/12
Ni sulfides	C01G 53/11

Special rules of classification

Specific examples shall be classified in the appropriate C01G 3/00-C01G 99/00 classes. The C01P-Indexation scheme shall be applied.

C01G 1/14

Sulfites

Definition statement

This place covers:

General methods for preparing metal or multi metal sulfites, i.e. compounds comprising an anion like SO_3^{2-} (Sulfite), $S_2O_5^{2-}$(disulfite).

References

Informative references

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

Other relevant classes	C01G 3/00- C01G 99/00

Special rules of classification

Specific examples shall be classified in the appropriate C01G 3/00-C01G 99/00 classes. The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Sulfite, secondary sulfite	compound comprises the anion SO_3^{2-}
Hydrogen sulfite, Bisulfite, primary sulfite, acidic sulfite	compound comprises the anion HSO_3^{1-}
Disulfite	compound comprises the anion $S_2O_5^{2-}$

C01G 3/00

Compounds of copper

Definition statement

This place covers:

Inorganic compounds of copper.

References

Informative references

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

Metallic copper fillers or pigments	C09C 1/627
Copper alloys	C09C 1/66
Metallurgy of iron	C21
Metallurgy, ferrous or non-ferrous alloys	C22

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 3/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

Definition statement

This place covers:

Use of ion exchange techniques or extraction techniques.

References

Limiting references

This place does not cover:

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 3/006

{Compounds containing copper, with or without oxygen or hydrogen, and containing two or more other elements}

Definition statement

This place covers:

This group has been completely indexed according to the C01P-indexation scheme.

References

Informative references

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

Supraconductors	H10N 60/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 3/02

Oxides; Hydroxides

Definition statement

This place covers:

Oxides, hydroxides, hydrous oxides, oxide-hydroxides of Copper

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme; The C01P-Indexation scheme shall be applied.

C01G 3/04

Halides

Definition statement

This place covers:

Halides of copper

References

Informative references

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

Chlorides	C01G 3/05
Oxychlorides	C01G 3/06

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 3/05

Chlorides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 3/06

Oxychlorides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 3/08

Nitrates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 3/10

Sulfates

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Copper(II) sulfate	Blue vitriol, bluestone, Salzburg vitriol

C01G 3/12

Sulfides

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 3/14

Complexes with ammonia

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 5/00

Compounds of silver

References

Informative references

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

Metallic silver or silver alloys fillers or pigments	C09C, C09D
Metallurgy of iron	C21
Metallurgy, ferrous or non-ferrous alloys	C22

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 5/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 5/006

{Compounds containing silver, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 5/02

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 7/00

Compounds of gold

References

Informative references

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

Metallurgy of iron	C21
Ferrous or non-ferrous alloys	C22

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 7/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 7/006

{Compounds containing gold, with or without oxygen or hydrogen, and containing two or more other elements}

References

Informative references

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

Metallurgy of iron	C21
Ferrous or non-ferrous alloys	C22

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 9/00

Compounds of zinc

References

Informative references

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

Treatment of Zn-compounds for use as a pigment or filler	C09C 1/00
Luminescent materials	C09K 11/00
Metallurgy of iron	C21
Ferrous or non-ferrous alloys	C22
Semiconductor devices sensitive to infrared radiation, light, electromagnetic radiation of shorter wavelength or corpuscular radiation and specially adapted either for the conversion of the energy of such radiation into electrical energy or for the control of electrical energy by such radiation	H10F

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 9/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 9/006

{Compounds containing zinc, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 9/02

Oxides; Hydroxides

References

Informative references

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

Treatment of ZnO, use as pigment or filler	C09C 1/043

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 9/03

Processes of production using dry methods, e.g. vapour phase processes

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 9/04

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 9/06

Sulfates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 9/08

Sulfides

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

ZnS	zinc blende or sphalerite (stable cubic form), Wurtzite (hexagonal form)

C01G 11/00

Compounds of cadmium

References

Informative references

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

Metallurgy of iron	C21
Ferrous or non-ferrous alloys	C22

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

copper(II) sulfate	blue vitriol, bluestone, Salzburg vitriol

C01G 11/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 11/006

{Compounds containing cadmium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 11/02

Sulfides

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

References

Informative references

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

Treatment of CdS for use as filler or pigment	C09C 1/10
Luminescent materials	C09K 11/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

CdS	Greenockite, Hawleyite

C01G 13/00

Compounds of mercury

References

Informative references

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

Treatment of compounds of mercury	C09C 1/38
Metallurgy of iron	C21
Ferrous or non-ferrous alloys	C22

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

HgS	cinnabar, vermillion

C01G 13/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 13/006

{Compounds containing mercury, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 13/02

Oxides

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Mercury oxide HgO	Mercuric oxide, Montroydite

C01G 13/04

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Mercury(II) chloride ($HgCl_2$)	Mercury dichloride, Mercuric chloride, Corrosive sublimate, Mercurous chloride
Dimercury dichloride (Hg_2Cl_2, HgCl):	Calomel

C01G 15/00

Compounds of gallium, indium or thallium

References

Informative references

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

Coatings	C09D 5/00, C09D 7/00
Luminescent Materials	C09K 11/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following abbreviations are often used:

ITO	Indium Tin oxide (tin-doped indium oxide)

C01G 15/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 15/006

{Compounds containing gallium, indium or thallium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 17/00

Compounds of germanium

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 17/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 17/006

{Compounds containing germanium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 17/02

Germanium dioxide

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 17/04

Halides of germanium

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 19/00

Compounds of tin

References

Informative references

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

Metallurgy of iron	C21
Ferrous or non-ferrous alloys	C22

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 19/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 19/006

{Compounds containing tin, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 19/02

Oxides

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Tin dioxide", "Cassiterite", "stannic acid", "flowers of tin" and "tin(IV) oxide"

C01G 19/04

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 19/06

Stannous chloride

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 19/08

Stannic chloride

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 21/00

Compounds of lead

References

Informative references

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

Metallurgy of iron	C21
Ferrous or non-ferrous alloys	C22

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 21/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 21/006

{Compounds containing lead, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 21/02

Oxides

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme.

C01G 21/04

Lead suboxide [Pb_2O]

Definition statement

This place covers:

This group has been completely indexed according to the C01P-indexation scheme.

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 21/06

Lead monoxide [PbO]

References

Informative references

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

Glasses	C03C 3/00
Ceramic glazes	C03C 8/00
Pigments and fillers	C09C 1/14

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

lead monoxide, lead(II) oxide	litharge, massicot, plumbous oxide

C01G 21/08

Lead dioxide [PbO_2]

References

Informative references

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

Elektrode materials	H01M 4/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Lead dioxide, Lead(IV)oxide	Plumbic oxide, Plattnerite

C01G 21/10

Red lead [Pb_3O_4]

References

Informative references

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

Glasses compositions	C03C 3/00
Pigment or Filler	C09C 1/18

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Lead(II,IV) oxide (Pb_3O_4, or $2PbO \cdot PbO_2$)", "Lead tetroxide", "minium", "red lead or triplumbic tetroxide", "Mennige" and "Minium"

C01G 21/12

Hydroxides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 21/14

Carbonates

References

Informative references

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

Filler or Pigment	C09C 1/16

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Lead carbonate basic lead carbonate ($2PbCO_3 \cdot Pb(OH)_2$)" and "Cerussite white lead"

C01G 21/16

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 21/18

Nitrates

References

Informative references

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

Rodenticides	A01N 25/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Lead(II) nitrate", "Lead nitrate", "Plumbous nitrate", "Lead dinitrate",and "Plumb dulcis"

C01G 21/20

Sulfates

References

Informative references

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

Electrode materials	H01M 4/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Lead(II) sulfate" and "Anglesite"

C01G 21/21

Sulfides

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Lead(II) sulfide", "Plumbous sulfide" and , "Galena"
- "Lead(IV) sulfide" and "Lead disulfide"

C01G 21/22

Plumbates; Plumbites

Definition statement

This place covers:

A plumbate is a salt having one of the several lead-containing oxyanions. Although the term plumbate can refer either to plumbate(II) or plumbate(IV), it traditionally refers specifically to plumbate(IV), whereas plumbate(II) is referred to as plumbite.

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/00

Compounds of titanium {(preparation of Ti-compounds from ores or scraps C22B 34/12)}

References

Limiting references

This place does not cover:

Preparation of Ti-compounds from ores or scraps	C22B 34/12

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 23/001

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 23/002

{Compounds containing titanium, with or without oxygen or hydrogen, and containing two or more other elements (C01G 23/001, C01G 23/003 take precedence)}

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 23/001
Titanates	C01G 23/003

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/003

{Titanates (C01G 23/001 takes precedence)}

Definition statement

This place covers:

Titanates of one or more metals other than titanium.

In particular the following compounds are covered:

- orthotitanates, having the formula M_2TiO_4 (M = divalent metal);
- metatitanates, having the formula $MTiO_3$ (M = divalent metal);
- complex titanates, e.g.
- bismuth titanate $Bi_4Ti_3O_{12}$; or
- lead zirconate titanate (PZT) $Pb[Zr_xTi_{1-x}]O_3$, $0 \leq x \leq 1$. Note that PZT is only classified in this group, insofar as Zr is considered as a dopant.

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 23/001

Informative references

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

Ceramic material	C04B 35/00
Treatment of, pigments, fillers	C09C 1/36

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following abbreviations are often used:

PZT	Lead zirconate titanate ($Pb[Zr_xTi_{1-x}]O_3$ $0 \leq x \leq 1$)

C01G 23/005

{Alkali titanates}

Definition statement

This place covers:

M=Alkali metal (M=Li, Na, K, Rb, Cs etc.)

References

Informative references

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

Ceramic material	C04B 35/00
Treatment of, pigments, fillers	C09C 1/36

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 23/006

{Alkaline earth titanates}

Definition statement

This place covers:

M=Alkaline Earth metal (M=Mg, Ca, Sr, Ba)

References

Informative references

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

Ceramic material	C04B 35/00
Treatment of, pigments, fillers	C09C 1/36

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/007

{Titanium sulfides (C01G 23/001 takes precedence)}

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 23/001

Informative references

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

Electrode materials	H01M 4/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Titanium(II) Sulfide", "titanium monosulfide" or "Wassonite"

C01G 23/008

{Titanium- and titanyl sulfate (C01G 23/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 23/001

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 23/02

Halides of titanium

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 23/022

{Titanium tetrachloride}

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Titanium(IV) chloride", "Titanium tetrachloride" and "Tetrachlorotitanium"

C01G 23/024

{Purification of tetrachloride}

Definition statement

This place covers:

Aftertreatment of titanium tetrachloride

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 23/026

{Titanium trichloride}

Definition statement

This place covers:

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Titanium(III) Chloride" and "titanium trichloride" and,"titanous chloride"

C01G 23/028

{Titanium fluoride}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 23/04

Oxides; Hydroxides

References

Informative references

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

Catalysis	B01J 35/00, B01J 21/00

Ceramic Materials	C04B 35/00
Use as filler in Polymers, Coatings etc.	C08K 9/00, C09D 5/00, C09D 7/00
Treatment of, for use as pigment and filler	C09C 1/36

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/043

{Titanium sub-oxides}

References

Informative references

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

Catalysis	B01J 35/00, B01J 21/00
Ceramic Materials	C04B 35/00
Use as filler in Polymers, Coatings etc.	C08K 9/00, C09D 5/00, C09D 7/00
Treatment of, for use as pigment and filler	C09C 1/36

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Titanium(II) oxide" and "Titanium monoxide"
- "Titanium(III) oxide" and "Titanium sesquioxide "

C01G 23/047

Titanium dioxide

Definition statement

This place covers:

This group has been completely indexed according to the C01P-indexation scheme.

References

Informative references

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

Catalysis	B01J 35/00, B01J 21/00
Coatings on glass	C03C 17/00
Filler in Polymers	C08K 9/00
Treatment of, Pigment and filler	C09C 1/36

Dye sensitized solar cells	H01G 9/20

Special rules of classification

The C01P-Indexation scheme shall be applied.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Titanium(IV) oxide", "Titanium dioxide", "Titania", "Rutile (tetragonal)","Anatase (tetragonal)" and "Brookite (orthorhombic)"

C01G 23/0475

{Purification}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/053

Producing by wet processes, e.g. hydrolysing titanium salts

Definition statement

This place covers:

Hydrolysis of titanium compounds other than chlorides and sulfates, e.g.. hydrolysis of organo-titanium salts.

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/0532

{by hydrolysing sulfate-containing salts}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/0534

{in the presence of seeds}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/0536

{by hydrolysing chloride-containing salts}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/0538

{in the presence of seeds}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/07

Producing by vapour phase processes, e.g. halide oxidation

Definition statement

This place covers:

Flame pyrolysis, halide oxidation

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/075

{Evacuation and cooling of the gaseous suspension containing the oxide; Desacidification and elimination of gases occluded in the separated oxide}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 23/08

Drying; Calcining {; After treatment of titanium oxide}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 25/00

Compounds of zirconium

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

PZT (when Zr is not considered as dopant)	Lead zirconate titanate ($Pb[Zr_xTi_1$-$x]O_3$ $0 \leq x \leq 1$)

C01G 25/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 25/006

{Compounds containing zirconium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 25/02

Oxides

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

YSZ	Yttria-stabilized zirconia

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "Zirconium dioxide (ZrO2)", "Zirconia" and, "Baddeleyite"

C01G 25/04

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 25/06

Sulfates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 27/00

Compounds of hafnium

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 27/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 27/006

{Compounds containing hafnium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 27/02

Oxides

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 27/04

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 27/06

Sulfates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 28/00

Compounds of arsenic

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 28/001

{Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 28/002

{Compounds containing arsenic, with or without oxygen or hydrogen, and containing two or more other elements (C01G 28/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 28/001

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 28/004

{containing halogen}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 28/005

{Oxides; Hydroxides; Oxyacids (C01G 28/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 28/001

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 28/007

{Halides (C01G 28/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 28/001

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 28/008

{Sulfides (C01G 28/001 takes precedence)}

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 28/001

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 28/02

Arsenates; Arsenites {(C01G 28/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 28/001

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

arsenite	chemical compound containing an arsenic oxoanion where arsenic has oxidation state +3. The different forms of the anion are ortho-arsenite $[AsO_3]^{3-}$ and meta-arsenite $[AsO_2]$. Examples of arsenites include sodium arsenite which contains a polymeric linear anion, $[AsO_2]_n$, and silver arsenite, Ag_3AsO_3, which contains the trigonal, AsO_3 anion.
arsenate $[AsO_4]^{3-}$	arsenate (compound) is any compound that contains this ion. Arsenates are salts or esters of arsenic acid. The arsenic atom in arsenate has a valency of 5 and is also known as pentavalent arsenic or As[V].

C01G 28/023

{of ammonium, alkali or alkaline-earth metals or magnesium}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 28/026

{containing at least two metals}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 29/00

Compounds of bismuth

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 29/003

{Preparations involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 29/006

{Compounds containing bismuth, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 30/00

Compounds of antimony

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 30/001

{Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 30/002

{Compounds containing antimony, with or without oxygen or hydrogen, and containing two or more other elements (C01G 30/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 30/001

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 30/003

{containing halogen}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 30/004

{Oxides; Hydroxides; Oxyacids (C01G 30/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 30/001

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 30/005

{Oxides}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 30/006

{Halides (C01G 30/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 30/001

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 30/007

{of binary type SbX3 or SbX5 with X representing a halogen, or mixed of the type SbX3X'2 with X,X' representing different halogens}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 30/008

{Sulfides (C01G 30/001 takes precedence)}

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 30/001

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 30/02

Antimonates; Antimonites {(C01G 30/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange	C01G 30/001

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

antimonate, antimonite ions	antimonate ion is $[Sb(OH)_6]^-$ where antimony is present in its +5 oxidation state; antimonite refers to salts of antimony(III), such as $NaSb(OH)_4$ and $NaSbO_2$ (metaantimonite). These are formally salts of antimonous acid (antimonious acid), "$Sb(OH)_3$".

C01G 30/023

{of ammonium, alkali or alkaline-earth metals or magnesium}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 30/026

{containing at least two metals}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 31/00

Compounds of vanadium

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 31/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 31/006

{Compounds containing vanadium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme.The C01P-Indexation scheme shall be applied.

C01G 31/02

Oxides

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 31/04

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 33/00

Compounds of niobium

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 33/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 33/006

{Compounds containing niobium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 35/00

Compounds of tantalum

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 35/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 35/006

{Compounds containing tantalum, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 35/02

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 37/00

Compounds of chromium

References

Informative references

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

Aftertreatment of compounds of chromium to enhance their pigmenting and filling properties	C09C 1/34

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 37/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 37/006

{Compounds containing chromium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 37/02

Oxides or hydrates thereof

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 37/027

Chromium dioxide

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 37/033

Chromium trioxide; Chromic acid

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 37/04

Chromium halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 37/06

Chromylhalides

Definition statement

This place covers:

A Chromylhalide is a chemical compound with the formula CrO2(X)2, with X=halogene

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 37/08

Chromium sulfates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 37/10

Chrome alum

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Chrome alum or Chromium(III) potassium sulfate	the potassium double sulfate of chromium. Its chemical formula is $KCr(SO_4)_2$ and it is commonly found in its dodecahydrate form as $KCr(SO_4)_2 \cdot 12(H_2O)$.

C01G 37/14

Chromates; Bichromates

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Chromate	salts contain the chromate anion, CrO_4^{2-}
Dichromate	salts contain the dichromate anion, $Cr_2O_7^{2-}$. They are oxyanions of chromium in the oxidation state +6.

C01G 39/00

Compounds of molybdenum

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 39/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 39/006

{Compounds containing molybdenum, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme.The C01P-Indexation scheme shall be applied.

C01G 39/02

Oxides; Hydroxides

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 39/04

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 39/06

Sulfides

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 41/00

Compounds of tungsten

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 41/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 41/006

{Compounds containing tungsten, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 41/02

Oxides; Hydroxides

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 41/04

Halides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 43/00

Compounds of uranium

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 43/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 43/006

{Compounds containing uranium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 43/01

Oxides; Hydroxides

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 43/025

Uranium dioxide

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 43/04

Halides of uranium

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 43/06

Fluorides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 43/08

Chlorides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 43/10

Bromides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 43/12

Iodides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/00

Compounds of manganese

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/01

Preparation or separation involving a liquid-liquid extraction, an adsorption or an ion-exchange

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/02

Oxides

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 45/04

Carbonyls

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/06

Halides; Oxyhalides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/08

Nitrates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/10

Sulfates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/12

Complex oxides containing manganese and at least one other metal element

References

Informative references

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

Electrode materials comprising the manganates, manganites	H01M 4/505

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

manganate	any negatively charged molecular entity with manganese as the central atom: permanganates ($[MnO_4]^-$) or manganates ($[MnO_4]^{2-}$). However, for the purpose of classification "manganites", which do not contain discrete oxoanions, but are mixed oxides with perovskite ($LaMn^{III}O_3$, $CaMn^{IV}O_3$), spinel ($LiMn^{III,IV}{}_2O_4$) or sodium chloride ($LiMn^{III}O_2$, $NaMn^{III}O_2$) structures are considered as manganates and shall be classified in the specific subgroup of C01G 45/12.

C01G 45/1207

Permanganates ($[MnO_4)^-]$ or manganates ($[MnO_4)^{2-}]$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1214

containing alkali metals

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1221

Manganates or manganites with trivalent manganese, tetravalent manganese or mixtures thereof

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1228

of the type $(MnO_2)^-$, e.g. $LiMnO_2$ or $Li(M_xMn_{1-x})O_2$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1235

of the type $(Mn_2O_4)^{2-}$, e.g. $Li_2Mn_2O_4$ or $Li_2(M_xMn_{2-x})O_4$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1242

of the type $(Mn_2O_4)^-$, e.g. $LiMn_2O_4$ or $Li(M_xMn_{2-x})O_4$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/125

of the type $(MnO_3)^{n-}$, e.g. $CaMnO_3$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1257

containing lithium, e.g. Li_2MnO_3 or $Li_2(M_xMn_{1-x})O_3$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1264

containing rare earths, e.g. $(La_{1-x}Ca_x)MnO_3$ or $LaMnO_3$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1271

{of the type $(Mn_2O_8)^{n-}$, e.g. $(LaSr_3)Mn_2O_8$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1278

{of the type $(Mn_2O_7)^{n-}$, e.g. $(Sr_{2-x}Nd_x)Mn_2O_7$ or $Tl_2Mn_2O_7$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1285

{of the type $(Mn_2O_5)^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/1292

{of the type $(Mn_5O_{12})^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 45/22

Compounds containing manganese, with or without oxygen or hydrogen, and containing two or more other elements

References

Informative references

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

Complex oxides containing manganese and at least one other metal element	C01G 45/12

Special rules of classification

This group has been completely indexed according to the C01P-Indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 47/00

Compounds of rhenium

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 47/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 47/006

{Compounds containing rhenium, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 49/00

Compounds of iron

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 49/0009

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 49/0018

{Mixed oxides or hydroxides, (C01G 49/0009 takes precedence)}

Definition statement

This place covers:

e.g. ferrites

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 49/0009

Informative references

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

Ceramics	C04B
Magnets	H01F

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Ferrites	chemical compounds consisting of ceramic materials with iron(III) oxide (Fe_2O_3) as their principal component. Many ferrites are spinels with the formula AB_2O_4, where A and B represent various metal cations, usually including iron. Spinel ferrites usually adopt a crystal motif consisting of cubic close-packed (fcc) oxides (O^{2-}) with A cations occupying one eighth of the tetrahedral holes and B cations occupying half of the octahedral holes—that is, the inverse spinel structure. Some ferrites have hexagonal crystal structure, e.g. barium ferrite $BaO:6Fe_2O_3$ or $BaFe_{12}O_{19}$.
Soft ferrites	Ferrites that contain nickel, zinc, and/or manganese compounds. They have a low coercivity and are called soft ferrites, e.g. Manganese-zinc ferrite ($Mn_aZn_{(1-a)}Fe_2O_4$).

C01G 49/0027

{containing one alkali metal}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/0036

{containing one alkaline earth metal, magnesium or lead}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/0045

{containing aluminium}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/0054

{containing one rare earth metal, yttrium or scandium}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/0063

{containing zinc}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/0072

{containing manganese}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/0081

{containing iron in unusual valence state [IV, V, VI]}

Definition statement

This place covers:

e.g. ferrates

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Ferrate(VI)	refers either to the anion $[FeO_4]^{2-}$, in which iron is in the +6 oxidation state, or to a salt containing this anion. The term ferrate is often used to mean ferrate(VI), although according to IUPAC naming conventions, it may also refer to other iron-containing oxyanions, such as ferrate(V) and ferrate(IV)

C01G 49/009

{Compounds containing iron, with or without oxygen or hydrogen, and containing two or more other elements}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/02

Oxides; Hydroxides {(C01G 49/0018 takes precedence)}

References

Limiting references

This place does not cover:

Mixed oxides or hydroxides	C01G 49/0018

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/04

Ferrous oxide [FeO]

Definition statement

This place covers:

E.g. Wüstite (FeO)

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme The C01P-Indexation scheme shall be applied.

C01G 49/06

Ferric oxide [Fe_2O_3]

Definition statement

This place covers:

E.g. iron(III) oxide (Fe_2O_3), alpha phase, hematite (α-Fe_2O_3, red), beta phase, (β-Fe_2O_3), gamma phase, maghemite (γ-Fe_2O_3), epsilon phase, (ε-Fe_2O_3), goethite (α-FeOOH, yellow), akaganéite (β-FeOOH), lepidocrocite (γ-FeOOH), feroxyhyte (δ-FeOOH),

References

Informative references

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

Treatment of iron oxides to enhance their pigmenting and filling properties	C09C 1/22, C09C 1/24

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 49/08

Ferroso-ferric oxide [Fe_3O_4]

Definition statement

This place covers:

E.g. iron(II,III) oxide, magnetite (Fe_3O_4, black)

References

Informative references

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

Treatment of iron oxides to enhance their pigmenting and filling properties	C09C 1/22, C09C 1/24

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 49/10

Halides {(C01G 49/0018 takes precedence)}

Definition statement

This place covers:

Ferrous halogenides, e.g. $FeCl_2$; ferric halogenides, e.g. $FeCl_3$.

References

Limiting references

This place does not cover:

Mixed oxides or hydroxides	C01G 49/0018

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 49/12

Sulfides {(C01G 49/0018 takes precedence)}

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

References

Limiting references

This place does not cover:

Mixed oxides or hydroxides	C01G 49/0018

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

iron sulfide, iron sulphide	a chemical compound of iron and sulfur with a wide range of stoechiometric formulae and different crystalline structures, e.g. natural minerals: iron(II) sulfide, FeS; troilite, FeS, pyrrhotite; greigite, Fe_3S_4, analog to magnetite, Fe_3O_4; pyrrhotite, $Fe_{1-x}S$ (where x = 0 to 0.2), or Fe_7S_8; mackinawite, $Fe_{1+x}S$ (where x = 0 to 0.1); marcasite, or iron(II) disulfide, FeS_2 (orthorhombic); pyrite, or iron(II) disulfide, FeS_2 (cubic).

C01G 49/14

Sulfates {(C01G 49/0018 takes precedence)}

Definition statement

This place covers:

E.g. ferrous sulphate, iron(II) sulfate (other names: green vitriol; iron vitriol; copperas; melanterite; szomolnokite), $FeSO_4$; ferric sulphate, Iron(III) sulfate, $Fe_2(SO_4)_3$.

References

Limiting references

This place does not cover:

Mixed oxides or hydroxides	C01G 49/0018

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 49/16

Carbonyls {(C01G 49/0018 takes precedence)}

Definition statement

This place covers:

E.g. pentacarbonyl iron, iron carbonyl.

References

Limiting references

This place does not cover:

Mixed oxides or hydroxides	C01G 49/0018

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/00

Compounds of cobalt

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/01

Preparation or separation involving a liquid-liquid extraction, an adsorption or an ion-exchange

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/02

Carbonyls

Definition statement

This place covers:

E.g., Octacarbonyldicobalt(Co—Co), Cobalt carbonyl

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/04

Oxides

Definition statement

This place covers:

Cobalt oxides, such as cobalt(II) oxide (cobaltous oxide, cobalt monoxide), CoO, cobalt(III) oxide (cobaltic oxide), Co_2O_3, cobalt(II,III) oxide (cobaltosic oxide, tricobalt tetroxide) or Co_3O_4.

References

Informative references

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

Use as pigment in ceramics, enamels	C09C 1/0009

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 51/06

Carbonates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/08

Halides; Oxyhalides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/085

{Chlorides; Oxychlorides}

Definition statement

This place covers:

E.g., Cobalt(II) chloride (Other names : Cobaltous chloride, Cobalt dichloride)

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/10

Sulfates

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/15

Sulfides; Oxysulfides

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

cobalt sulfide	chemical compounds with a formula Co_xS_y. Well-characterized species include minerals with the formula CoS_2 (cattierite) and Co_3S_4, (Linnaeite) and the synthetic material Co_9S_8.

C01G 51/20

Complexes with ammonia

Definition statement

This place covers:

Compounds such as hexaamminecobalt(III) chloride (other names cobalt hexammine chloride, hexaamminecobalt(III) chloride): $[Co(NH_3)_6]Cl_3$.

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/40

Complex oxides containing cobalt and at least one other metal element

References

Informative references

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

Making of electrodes comprising the manganites or mangantes for use in galvanic primary cells and batteries, galvanic secondary cells and batteries, fuel cells and batteries.	H01M

Special rules of classification

The C01P-Indexation scheme shall be applied.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

cobaltates	compounds comprising $CoO_n^{(x-)}$ anions

C01G 51/42

containing alkali metals, e.g. $LiCoO_2$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/44

containing manganese

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/50

of the type $(MnO_2)^{n-}$, e.g. $Li(Co_xMn_{1-x})O_2$ or $Li(M_yCo_xMn_{1-x-y})O_2$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/52

of the type $(Mn_2O_4)^{2-}$, e.g. $Li_2(Co_xMn_{2-x})O_4$ or $Li_2(M_yCo_xMn_{2-x-y})O_4$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/54

of the type $(Mn_2O_4)^-$, e.g. $Li(Co_xMn_{2-x})O_4$ or $Li(M_yCo_xMn_{2-x-y})O_4$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/56

of the type $(MnO_3)^{2-}$, e.g. $Li_2(Co_xMn_{1-x})O_3$ or $Li_2(M_yCo_xMn_{1-x-y})O_3$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/58

{of the type $(Mn_2O_8)^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/60

{of the type $(Mn_2O_7)^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/62

{of the type $(Mn_2O_5)^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/64

{of the type $(Mn_5O_{12})^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/66

containing alkaline earth metals, e.g. $SrCoO_3$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/68

containing rare earths, e.g. $(La_{0.3}Sr_{0.7})CoO_3$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/70

containing rare earths, e.g. $LaCoO_3$ (C01G 51/68 takes precedence)

References

Limiting references

This place does not cover:

Containing rare earth and alkaline earth	C01G 51/68

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 51/82

Compounds containing cobalt, with or without oxygen or hydrogen, and containing two or more other elements

References

Informative references

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

Complex oxides containing cobalt and at least one other metal element	C01G 51/40

Special rules of classification

This group has been completely indexed according to the C01P-Indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 53/00

Compounds of nickel

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/01

Preparation or separation involving a liquid-liquid extraction, an adsorption or an ion-exchange

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/02

Carbonyls

Definition statement

This place covers:

E.g. nickel carbonyl (IUPAC name: tetracarbonylnickel) is the organonickel compound with the formula $Ni(CO)_4$. This pale-yellow liquid is the principal carbonyl of nickel.

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/04

Oxides

Definition statement

This place covers:

E.g. Nickel(II) oxide (Nickel monoxide, Oxonickel) is the chemical compound with the formula NiO. It is notable as being the only well characterized oxide of nickel (although nickel(III) oxide, Ni_2O_3 and NiO_2 have been claimed). The mineralogical form of NiO, bunsenite, is very rare.

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 53/06

Carbonates

Definition statement

This place covers:

E.g. Nickel(II) carbonate (nickelous carbonate) : $Ni_4CO_3(OH)_6(H_2O)_4$, $Ni_4CO_3(OH)_6(H_2O)_4$.

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/08

Halides; Oxyhalides

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/09

Chlorides; Oxychlorides

Definition statement

This place covers:

E.g. Nickel(II) chloride (nickel chloride, nickelous chloride, nickel(II) salt of hydrochloric acid), is the chemical compound $NiCl_2$. (hydrate : $NiCl_2 \cdot 6H_2O$; mineral nickelbischofite).

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/10

Sulfates

Definition statement

This place covers:

E.g. Nickel(II) sulphate (nickel sulfate, nickelous sulphate) usually refers to the formula $NiSO_4(H_2O)_6$.

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/11

Sulfides; Oxysulfides

Definition statement

This place covers:

Compounds comprising an anion like S^{2-}(sulfide), or $[S_n]^{2-}$ (polysulfide).

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/12

Complexes with ammonia

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/40

Complex oxides containing nickel and at least one other metal element

Definition statement

This place covers:

Nickelates are compounds comprising NiO_n^{x-} anions.

References

Informative references

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

Making of electrodes comprising the manganites or manganates for use in galvanic primary cells and batteries, galvanic secondary cells and batteries, fuel cells and batteries.	H01M

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/42

containing alkali metals, e.g. $LiNiO_2$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/44

containing manganese

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/50

of the type $(MnO_2)^{n-}$, e.g. $Li(Ni_xMn_{1-x})O_2$ or $Li(M_yNi_xMn_{1-x-y})O_2$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/52

of the type $(Mn_2O_4)^{2-}$, e.g. $Li_2(Ni_xMn_{2-x})O_4$ or $Li_2(M_yNi_xMn_{2-x-y})O_4$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/54

of the type $(Mn_2O_4)^-$, e.g. $Li(Ni_xMn_{2-x})O_4$ or $Li(M_yNi_xMn_{2-x-y})O_4$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/56

of the type $(MnO_3)^{2-}$, e.g. $Li_2(Ni_xMn_{1-x})O_3$ or $Li_2(M_yNi_xMn_{1-x-y})O_3$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/58

{of the type $(Mn_2O_8)^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/60

{of the type $(Mn_2O_7)^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/62

{of the type $(Mn_2O_5)^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/64

{of the type $(Mn_5O_{12})^{n-}$}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/66

containing alkaline earth metals, e.g. $SrNiO_3$ or $SrNiO_2$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/68

containing rare earths, e.g. $(La_{1.62}\ Sr_{0.38})NiO_4$

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/70

containing rare earths, e.g. $LaNiO_3$ (C01G 53/68 takes precedence)

References

Limiting references

This place does not cover:

Containing rare earth and alkaline earth	C01G 53/68

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 53/82

Compounds containing nickel, with or without oxygen or hydrogen, and containing two or more other elements

References

Informative references

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

Complex oxides containing nickel and at least one other metal element	C01G 53/40

Special rules of classification

This group has been completely indexed according to the C01P-Indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 55/00

Compounds of ruthenium, rhodium, palladium, osmium, iridium, or platinum

References

Informative references

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

Salts of organic acids	C07C
Organometallic compounds	C07F

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 55/001

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 55/002

{Compounds containing ruthenium, rhodium, palladium, osmium, iridium or platinum, with or without oxygen or hydrogen, and containing two or more other elements (C01G 55/007 takes precedence)}

References

Limiting references

This place does not cover:

Compounds of ruthenium, rhodium, palladium, osmium, iridium, or platinum containing at least one carbonyl group	C01G 55/007

Informative references

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

Acyclic or carbocyclic compounds	C07C
Acyclic, carbocyclic or heterocyclic compounds containing elements other than carbon, hydrogen, halogen, oxygen, nitrogen, sulfur, selenium or tellurium	C07F

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 55/004

{Oxides; Hydroxides}

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 55/005

{Halides}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 55/007

{Compounds containing at least one carbonyl group}

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 56/00

Compounds of transuranic elements

Definition statement

This place covers:

In chemistry, transuranium elements (also known as transuranic elements) are the chemical elements with atomic numbers greater than 92 (the atomic number of uranium) and comprise two chemical series :

Actinides : 93. neptunium, Np, 94. plutonium, Pu, 95. americium, Am, 96. curium, Cm, 97. berkelium, Bk, 98. californium, Cf, 99. einsteinium, Es, 100. fermium, Fm, 101. mendelevium, Md, 102. nobelium, No, 103. lawrencium, Lr,

Transactinide elements : 104. rutherfordium, Rf, 105. dubnium, Db, 106. seaborgium, Sg, 107. bohrium, Bh, 108. hassium, Hs, 109. meitnerium, Mt, 110. darmstadtium, Ds, 111. roentgenium, Rg, 112. copernicium, Cn, 113. Ununtrium, temporary name, (2003), 114. Ununquadium, temporary name, (1998), 115. Ununpentium, temporary name, (2004), 116. Ununhexium, temporary name, (2000), 117. Ununseptium, temporary name, (2010), 118. Ununoctium, temporary name, (2002).

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 56/001

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 56/003

{Compounds containing transuranic elements, with or without oxygen or hydrogen, and containing two or more other elements (C01G 56/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 56/001

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 56/004

{Compounds of plutonium (C01G 56/001 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 56/001

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 56/007

{Compounds of transuranic elements (C01G 56/001 and C01G 56/004 take precedence)}

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 56/001
Compounds of plutonium	C01G 56/004

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 99/00

Subject matter not provided for in other groups of this subclass

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.

C01G 99/003

{Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

References

Informative references

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

Extraction of metal compounds from ores or concentrates by wet processes	C22B 3/00

Special rules of classification

The C01P-Indexation scheme shall be applied.

C01G 99/006

{Compounds containing a metal not provided for elsewhere in this subclass, with or without oxygen or hydrogen, and containing two or more other elements (C01G 99/003 takes precedence)}

References

Limiting references

This place does not cover:

Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange	C01G 99/003

Special rules of classification

This group has been completely indexed according to the C01P-indexation scheme. The C01P-Indexation scheme shall be applied.