

Symbol	Typ	Titel
C	Sektion	CHEMISTRY; METALLURGY
C22	Klasse	METALLURGY; FERROUS OR NON-FERROUS ALLOYS; TREATMENT OF ALLOYS OR NON-FERROUS METALS
C22C	Unterklasse	ALLOYS (treatment of alloys C21D, C22F)
		<u>Non-ferrous alloys, i.e. alloys based essentially on metals other than iron [2, 5]</u>
C22C 1/00	Hauptgruppe	Making non-ferrous alloys (by electrothermic methods C22B 4/00; by electrolysis C25C) [1, 2006.01]
C22C 1/02	1-Punkt Untergruppe	. by melting [1, 2006.01]
C22C 1/03	2-Punkt Untergruppe	... using master alloys [2, 2006.01]
C22C 1/04	1-Punkt Untergruppe	. by powder metallurgy (C22C 1/08 takes precedence) [1, 2, 2006.01]
C22C 1/05	2-Punkt Untergruppe	... Mixtures of metal powder with non-metallic powder (C22C 1/08 takes precedence) [1, 2, 2006.01]
C22C 1/06	1-Punkt Untergruppe	. with the use of special agents for refining or deoxidising [1, 2006.01]
C22C 1/08	1-Punkt Untergruppe	. Alloys with open or closed pores [1, 2006.01]
C22C 1/10	1-Punkt Untergruppe	. Alloys containing non-metals (C22C 1/08 takes precedence) [1, 2, 2006.01]
C22C 3/00	Hauptgruppe	Removing material from non-ferrous alloys to produce alloys of different constitution [1, 2006.01]
C22C 5/00	Hauptgruppe	Alloys based on noble metals [1, 2006.01]
C22C 5/02	1-Punkt Untergruppe	. Alloys based on gold [2, 2006.01]
C22C 5/04	1-Punkt Untergruppe	. Alloys based on a platinum group metal [2, 2006.01]
C22C 5/06	1-Punkt Untergruppe	. Alloys based on silver [2, 2006.01]
C22C 5/08	2-Punkt Untergruppe	... with copper as the next major constituent [2, 2006.01]
C22C 5/10	2-Punkt Untergruppe	... with cadmium as the next major constituent [2, 2006.01]
C22C 7/00	Hauptgruppe	Alloys based on mercury [1, 2006.01]
C22C 9/00	Hauptgruppe	Alloys based on copper [1, 2006.01]
C22C 9/01	1-Punkt Untergruppe	. with aluminium as the next major constituent [2, 2006.01]
C22C 9/02	1-Punkt Untergruppe	. with tin as the next major constituent [1, 2, 2006.01]
C22C 9/04	1-Punkt Untergruppe	. with zinc as the next major constituent [1, 2, 2006.01]
C22C 9/05	1-Punkt Untergruppe	. with manganese as the next major constituent [2, 2006.01]
C22C 9/06	1-Punkt Untergruppe	. with nickel or cobalt as the next major constituent [1, 2, 2006.01]
C22C 9/08	1-Punkt Untergruppe	. with lead as the next major constituent [1, 2, 2006.01]
C22C 9/10	1-Punkt Untergruppe	. with silicon as the next major constituent [1, 2006.01]
C22C 11/00	Hauptgruppe	Alloys based on lead [1, 2006.01]
C22C 11/02	1-Punkt Untergruppe	. with an alkali or an alkaline earth metal as the next major constituent [1, 2, 2006.01]
C22C 11/04	1-Punkt Untergruppe	. with copper as the next major constituent [2, 2006.01]
C22C 11/06	1-Punkt Untergruppe	. with tin as the next major constituent [2, 2006.01]
C22C 11/08	1-Punkt Untergruppe	. with antimony or bismuth as the next major constituent [2, 2006.01]

Symbol	Typ	Titel
C22C 11/10	2-Punkt Untergruppe	... with tin [2, 2006.01]
C22C 12/00	Hauptgruppe	Alloys based on antimony or bismuth [2, 2006.01]
C22C 13/00	Hauptgruppe	Alloys based on tin [1, 2006.01]
C22C 13/02	1-Punkt Untergruppe	. with antimony or bismuth as the next major constituent [2, 2006.01]
C22C 14/00	Hauptgruppe	Alloys based on titanium [2, 2006.01]
C22C 16/00	Hauptgruppe	Alloys based on zirconium [2, 2006.01]
C22C 18/00	Hauptgruppe	Alloys based on zinc [2, 2006.01]
C22C 18/02	1-Punkt Untergruppe	. with copper as the next major constituent [2, 2006.01]
C22C 18/04	1-Punkt Untergruppe	. with aluminium as the next major constituent [2, 2006.01]
C22C 19/00	Hauptgruppe	Alloys based on nickel or cobalt [1, 2006.01]
C22C 19/03	1-Punkt Untergruppe	. based on nickel [2, 2006.01]
C22C 19/05	2-Punkt Untergruppe	... with chromium [2, 2006.01]
C22C 19/07	1-Punkt Untergruppe	. based on cobalt [2, 2006.01]
C22C 20/00	Hauptgruppe	Alloys based on cadmium [2, 2006.01]
C22C 21/00	Hauptgruppe	Alloys based on aluminium [1, 2006.01]
C22C 21/02	1-Punkt Untergruppe	. with silicon as the next major constituent [1, 2, 2006.01]
C22C 21/04	2-Punkt Untergruppe	... Modified aluminium-silicon alloys [1, 2006.01]
C22C 21/06	1-Punkt Untergruppe	. with magnesium as the next major constituent [2, 2006.01]
C22C 21/08	2-Punkt Untergruppe	... with silicon [2, 2006.01]
C22C 21/10	1-Punkt Untergruppe	. with zinc as the next major constituent [2, 2006.01]
C22C 21/12	1-Punkt Untergruppe	. with copper as the next major constituent [2, 2006.01]
C22C 21/14	2-Punkt Untergruppe	... with silicon [2, 2006.01]
C22C 21/16	2-Punkt Untergruppe	... with magnesium [2, 2006.01]
C22C 21/18	2-Punkt Untergruppe	... with zinc [2, 2006.01]
C22C 22/00	Hauptgruppe	Alloys based on manganese [2, 2006.01]
C22C 23/00	Hauptgruppe	Alloys based on magnesium [1, 2006.01]
C22C 23/02	1-Punkt Untergruppe	. with aluminium as the next major constituent [2, 2006.01]
C22C 23/04	1-Punkt Untergruppe	. with zinc or cadmium as the next major constituent [2, 2006.01]
C22C 23/06	1-Punkt Untergruppe	. with a rare earth metal as the next major constituent [2, 2006.01]
C22C 24/00	Hauptgruppe	Alloys based on an alkali or an alkaline earth metal [2, 2006.01]
C22C 25/00	Hauptgruppe	Alloys based on beryllium [1, 2006.01]
C22C 26/00	Hauptgruppe	Alloys containing diamond [4, 2006.01]
C22C 27/00	Hauptgruppe	Alloys based on rhenium or a refractory metal not mentioned in groups C22C 14/00 or C22C 16/00 [1, 2, 2006.01]
C22C 27/02	1-Punkt Untergruppe	. Alloys based on vanadium, niobium or tantalum [2, 2006.01]
C22C 27/04	1-Punkt Untergruppe	. Alloys based on tungsten or molybdenum [2, 2006.01]
C22C 27/06	1-Punkt Untergruppe	. Alloys based on chromium [2, 2006.01]
C22C 28/00	Hauptgruppe	Alloys based on a metal not provided for in groups C22C 5/00-C22C 27/00 [2, 2006.01]

Symbol	Typ	Titel
C22C 29/00	Hauptgruppe	Alloys based on carbides, oxides, borides, nitrides or silicides, e.g. cermets, or other metal compounds, e. g. oxynitrides, sulfides [1, 4, 2006.01]
C22C 29/02	1-Punkt Untergruppe	. based on carbides or carbonitrides [4, 2006.01]
C22C 29/04	2-Punkt Untergruppe	.. based on carbonitrides [4, 2006.01]
C22C 29/06	2-Punkt Untergruppe	... based on carbides, but not containing other metal compounds [4, 2006.01]
C22C 29/08	3-Punkt Untergruppe based on tungsten carbide [4, 2006.01]
C22C 29/10	3-Punkt Untergruppe based on titanium carbide [4, 2006.01]
C22C 29/12	1-Punkt Untergruppe	.. . based on oxides [4, 2006.01]
C22C 29/14	1-Punkt Untergruppe	.. . based on borides [4, 2006.01]
C22C 29/16	1-Punkt Untergruppe	.. . based on nitrides [4, 2006.01]
C22C 29/18	1-Punkt Untergruppe	.. . based on silicides [4, 2006.01]
C22C 30/00	Hauptgruppe	Alloys containing less than 50% by weight of each constituent [2, 2006.01]
C22C 30/02	1-Punkt Untergruppe	.. . containing copper [2, 2006.01]
C22C 30/04	1-Punkt Untergruppe	.. . containing tin or lead [2, 2006.01]
C22C 30/06	1-Punkt Untergruppe	.. . containing zinc [2, 2006.01]
C22C 32/00	Hauptgruppe	Non-ferrous alloys containing at least 5% by weight but less than 50% by weight of oxides, carbides, borides, nitrides, silicides or other metal compounds, e.g. oxynitrides, sulfides, whether added as such or formed <u>in situ</u> [2, 2006.01]
		<u>Ferrous alloys, i.e. alloys based on iron [2, 5]</u>
C22C 33/00	Hauptgruppe	Making ferrous alloys (heat treatment thereof C21D 5/00, C21D 6/00) [1, 2006.01]
C22C 33/02	1-Punkt Untergruppe	.. . by powder metallurgy [1, 2006.01]
C22C 33/04	1-Punkt Untergruppe	.. . by melting [2, 2006.01]
C22C 33/06	2-Punkt Untergruppe using master alloys [2, 2006.01]
C22C 33/08	1-Punkt Untergruppe	.. . Making cast-iron alloys [2, 2006.01]
C22C 33/10	2-Punkt Untergruppe including procedures for adding magnesium [2, 2006.01]
C22C 33/12	3-Punkt Untergruppe by fluidised injection [2, 2006.01]
C22C 35/00	Hauptgruppe	Master alloys for iron or steel [1, 2006.01]
C22C 37/00	Hauptgruppe	Cast-iron alloys [1, 2, 2006.01]
C22C 37/04	1-Punkt Untergruppe	.. . containing spheroidal graphite [1, 2006.01]
C22C 37/06	1-Punkt Untergruppe	.. . containing chromium [1, 2, 2006.01]
C22C 37/08	2-Punkt Untergruppe with nickel [1, 2006.01]
C22C 37/10	1-Punkt Untergruppe	.. . containing aluminium or silicon [1, 2006.01]
C22C 38/00	Hauptgruppe	Ferrous alloys, e.g. steel alloys (cast-iron alloys C22C 37/00) [2, 2006.01]
C22C 38/02	1-Punkt Untergruppe	.. . containing silicon [2, 2006.01]
C22C 38/04	1-Punkt Untergruppe	.. . containing manganese [2, 2006.01]
C22C 38/06	1-Punkt Untergruppe	.. . containing aluminium [2, 2006.01]

Symbol	Typ	Titel
C22C 38/08	1-Punkt Untergruppe	. containing nickel [2, 2006.01]
C22C 38/10	1-Punkt Untergruppe	. containing cobalt [2, 2006.01]
C22C 38/12	1-Punkt Untergruppe	. containing tungsten, tantalum, molybdenum, vanadium or niobium [2, 2006.01]
C22C 38/14	1-Punkt Untergruppe	. containing titanium or zirconium [2, 2006.01]
C22C 38/16	1-Punkt Untergruppe	. containing copper [2, 2006.01]
C22C 38/18	1-Punkt Untergruppe	. containing chromium [2, 2006.01]
C22C 38/20	2-Punkt Untergruppe	... with copper [2, 2006.01]
C22C 38/22	2-Punkt Untergruppe	... with molybdenum or tungsten [2, 2006.01]
C22C 38/24	2-Punkt Untergruppe	... with vanadium [2, 2006.01]
C22C 38/26	2-Punkt Untergruppe	... with niobium or tantalum [2, 2006.01]
C22C 38/28	2-Punkt Untergruppe	... with titanium or zirconium [2, 2006.01]
C22C 38/30	2-Punkt Untergruppe	... with cobalt [2, 2006.01]
C22C 38/32	2-Punkt Untergruppe	... with boron [2, 2006.01]
C22C 38/34	2-Punkt Untergruppe	... with more than 1.5% by weight of silicon [2, 2006.01]
C22C 38/36	2-Punkt Untergruppe	... with more than 1.7% by weight of carbon [2, 2006.01]
C22C 38/38	2-Punkt Untergruppe	... with more than 1.5% by weight of manganese [2, 2006.01]
C22C 38/40	2-Punkt Untergruppe	... with nickel [2, 2006.01]
C22C 38/42	3-Punkt Untergruppe	... with copper [2, 2006.01]
C22C 38/44	3-Punkt Untergruppe	... with molybdenum or tungsten [2, 2006.01]
C22C 38/46	3-Punkt Untergruppe	... with vanadium [2, 2006.01]
C22C 38/48	3-Punkt Untergruppe	... with niobium or tantalum [2, 2006.01]
C22C 38/50	3-Punkt Untergruppe	... with titanium or zirconium [2, 2006.01]
C22C 38/52	3-Punkt Untergruppe	... with cobalt [2, 2006.01]
C22C 38/54	3-Punkt Untergruppe	... with boron [2, 2006.01]
C22C 38/56	3-Punkt Untergruppe	... with more than 1.7% by weight of carbon [2, 2006.01]
C22C 38/58	3-Punkt Untergruppe	... with more than 1.5% by weight of manganese [2, 2006.01]
C22C 38/60	1-Punkt Untergruppe	. containing lead, selenium, tellurium or antimony, or more than 0.04% by weight of sulfur [2, 2006.01]
C22C 43/00	Hauptgruppe	Alloys containing radioactive materials [2, 2006.01]
C22C 45/00	Hauptgruppe	Amorphous alloys [5, 2006.01]
C22C 45/02	1-Punkt Untergruppe	. with iron as the major constituent [5, 2006.01]
C22C 45/04	1-Punkt Untergruppe	. with nickel or cobalt as the major constituent [5, 2006.01]
C22C 45/06	1-Punkt Untergruppe	. with beryllium as the major constituent [5, 2006.01]

Symbol	Typ	Titel
C22C 45/08	1-Punkt Untergruppe	. with aluminium as the major constituent [5, 2006.01]
C22C 45/10	1-Punkt Untergruppe	. with molybdenum, tungsten, niobium, tantalum, titanium, or zirconium as the major constituent [5, 2006.01]
		<u>Alloys containing fibres or filaments [7]</u>
C22C 47/00	Hauptgruppe	Making alloys containing metallic or non-metallic fibres or filaments [7, 2006.01]
C22C 47/02	1-Punkt Untergruppe	. Pretreatment of the fibres or filaments [7, 2006.01]
C22C 47/04	2-Punkt Untergruppe	.. by coating, e.g. with a protective or activated covering [7, 2006.01]
C22C 47/06	2-Punkt Untergruppe	.. by forming the fibres or filaments into a preformed structure, e.g. using a temporary binder to form a mat-like element [7, 2006.01]
C22C 47/08	1-Punkt Untergruppe	. by contacting the fibres or filaments with molten metal, e.g. by infiltrating the fibres or filaments placed in a mould [7, 2006.01]
C22C 47/10	2-Punkt Untergruppe	.. Infiltration in the presence of a reactive atmosphere; Reactive infiltration [7, 2006.01]
C22C 47/12	2-Punkt Untergruppe	.. Infiltration or casting under mechanical pressure [7, 2006.01]
C22C 47/14	1-Punkt Untergruppe	. by powder metallurgy, i.e. by processing mixtures of metal powder and fibres or filaments [7, 2006.01]
C22C 47/16	1-Punkt Untergruppe	. by thermal spraying of the metal, e.g. plasma spraying [7, 2006.01]
C22C 47/18	2-Punkt Untergruppe	.. using a preformed structure of fibres or filaments [7, 2006.01]
C22C 47/20	1-Punkt Untergruppe	. by subjecting to pressure and heat an assembly comprising at least one metal layer or sheet and one layer of fibres or filaments [7, 2006.01]
C22C 49/00	Hauptgruppe	Alloys containing metallic or non-metallic fibres or filaments [7, 2006.01]
C22C 49/02	1-Punkt Untergruppe	. characterised by the matrix material [7, 2006.01]
C22C 49/04	2-Punkt Untergruppe	.. Light metals [7, 2006.01]
C22C 49/06	3-Punkt Untergruppe	... Aluminium [7, 2006.01]
C22C 49/08	2-Punkt Untergruppe	.. Iron group metals [7, 2006.01]
C22C 49/10	2-Punkt Untergruppe	.. Refractory metals [7, 2006.01]
C22C 49/11	3-Punkt Untergruppe	... Titanium [7, 2006.01]
C22C 49/12	2-Punkt Untergruppe	.. Intermetallic matrix material [7, 2006.01]
C22C 49/14	1-Punkt Untergruppe	. characterised by the fibres or filaments [7, 2006.01]
		<u>Indexing scheme associated with groups C22C 47/00 and C22C 49/00, relating to the nature of the fibrous materials contained in metal-fibrous composites. [7]</u>
C22C 101/00	Hauptgruppe	Non-metallic fibres or filaments [7, 2006.01]
C22C 101/02	1-Punkt Untergruppe	. based on oxides, e.g. oxide ceramic fibres [7, 2006.01]
C22C 101/04	2-Punkt Untergruppe	.. Aluminium oxide [7, 2006.01]
C22C 101/06	2-Punkt Untergruppe	.. Mixed oxides, e.g. aluminium silicate or glass [7, 2006.01]
C22C 101/08	1-Punkt Untergruppe	. based on non-oxides, e.g. non-oxide ceramic fibres [7, 2006.01]
C22C 101/10	2-Punkt Untergruppe	.. Carbon [7, 2006.01]
C22C 101/12	2-Punkt Untergruppe	.. Carbides [7, 2006.01]
C22C 101/14	3-Punkt Untergruppe	... Silicon carbide [7, 2006.01]

Symbol	Typ	Titel
C22C 101/16	2-Punkt Untergruppe	... Nitrides [7, 2006.01]
C22C 101/18	3-Punkt Untergruppe	... Silicon nitride [7, 2006.01]
C22C 101/20	2-Punkt Untergruppe	... Boron [7, 2006.01]
C22C 101/22	2-Punkt Untergruppe	... Borides [7, 2006.01]
C22C 111/00	Hauptgruppe	Metallic fibres or filaments [7, 2006.01]
C22C 111/02	1-Punkt Untergruppe	. Refractory metal fibres or filaments, e.g. tungsten fibres [7, 2006.01]
C22C 121/00	Hauptgruppe	Pretreated fibres or filaments [7, 2006.01]
C22C 121/02	1-Punkt Untergruppe	. Coated fibres or filaments, e.g. ceramic fibres with protective coatings [7, 2006.01]