Symbol	Typ	Titel
C	**Sektion**	**SECTION C — CHEMISTRY; METALLURGY**
C03	**Klasse**	**GLASS; MINERAL OR SLAG WOOL**
C03C	**Unterklasse**	**CHEMICAL COMPOSITION OF GLASSES, GLAZES, OR VITREOUS ENAMELS; SURFACE TREATMENT OF GLASS; SURFACE TREATMENT OF FIBRES OR FILAMENTS FROM GLASS, MINERALS OR SLAGS; JOINING GLASS TO GLASS OR OTHER MATERIALS**
		Chemical composition of glasses, glazes, or vitreous enamels
C03C 1/00	**Hauptgruppe**	**Ingredients generally applicable to manufacture of glasses, glazes or vitreous enamels**
C03C 1/02	1-Punkt Untergruppe	. Pretreated ingredients
C03C 1/04	1-Punkt Untergruppe	. Opacifiers, e.g. fluorides or phosphates; Pigments
C03C 1/06	2-Punkt Untergruppe	. . to produce non-uniformly pigmented, e.g. speckled, marbled, or veined products
C03C 1/08	1-Punkt Untergruppe	. to produce crackled effects
C03C 1/10	1-Punkt Untergruppe	. to produce uniformly-coloured transparent products
C03C 3/00	**Hauptgruppe**	**Glass compositions (glass batch compositions C03C 6/00) [4]**
C03C 3/04	1-Punkt Untergruppe	. containing silica [4]
C03C 3/06	2-Punkt Untergruppe	. . with more than 90% silica by weight, e.g. quartz
C03C 3/062	2-Punkt Untergruppe	. . with less than 40% silica by weight [4]
C03C 3/064	3-Punkt Untergruppe	. . . containing boron [4]
C03C 3/066	4-Punkt Untergruppe	. . . . containing zinc [4]
C03C 3/068	4-Punkt Untergruppe	. . . . containing rare earths [4]
C03C 3/07	3-Punkt Untergruppe	. . . containing lead [4]
C03C 3/072	4-Punkt Untergruppe	. . . . containing boron [4]
C03C 3/074	5-Punkt Untergruppe	. . . . . containing zinc [4]
C03C 3/076	2-Punkt Untergruppe	. . with 40% to 90% silica by weight [4]
C03C 3/078	3-Punkt Untergruppe	. . . containing an oxide of a divalent metal, e.g. an oxide of zinc [4]
C03C 3/083	3-Punkt Untergruppe	. . . containing aluminium oxide or an iron compound [4]
C03C 3/085	4-Punkt Untergruppe	. . . . containing an oxide of a divalent metal [4]
C03C 3/087	5-Punkt Untergruppe	. . . . . containing calcium oxide, e.g. common sheet or container glass [4]
C03C 3/089	3-Punkt Untergruppe	. . . containing boron [4]
C03C 3/091	4-Punkt Untergruppe	. . . . containing aluminium [4]
C03C 3/093	5-Punkt Untergruppe	. . . . . containing zinc or zirconium [4]
C03C 3/095	3-Punkt Untergruppe	. . . containing rare earths [4]
C03C 3/097	3-Punkt Untergruppe	. . . containing phosphorus, niobium or tantalum [4]
C03C 3/102	3-Punkt Untergruppe	. . . containing lead [4]

Symbol	Typ	Titel
C03C 3/105	4-Punkt Untergruppe	. . . . containing aluminium [4]
C03C 3/108	4-Punkt Untergruppe	. . . . containing boron [4]
C03C 3/11	3-Punkt Untergruppe	. . . containing halogen or nitrogen [4]
C03C 3/112	4-Punkt Untergruppe	. . . . containing fluorine [4]
C03C 3/115	5-Punkt Untergruppe	. . . . . containing boron [4]
C03C 3/118	6-Punkt Untergruppe	. . . . . containing aluminium [4]
C03C 3/12	1-Punkt Untergruppe	. Silica-free oxide glass compositions [4]
C03C 3/14	2-Punkt Untergruppe	. . containing boron [4]
C03C 3/145	3-Punkt Untergruppe	. . . containing aluminium or beryllium [4]
C03C 3/15	3-Punkt Untergruppe	. . . containing rare earths [4]
C03C 3/155	4-Punkt Untergruppe	. . . . containing zirconium, titanium, tantalum or niobium [4]
C03C 3/16	2-Punkt Untergruppe	. . containing phosphorus [4]
C03C 3/17	3-Punkt Untergruppe	. . . containing aluminium or beryllium [4]
C03C 3/19	3-Punkt Untergruppe	. . . containing boron [4]
C03C 3/21	3-Punkt Untergruppe	. . . containing titanium, zirconium, vanadium, tungsten or molybdenum [4]
C03C 3/23	2-Punkt Untergruppe	. . containing halogen and at least one oxide, e.g. oxide of boron [4]
C03C 3/247	3-Punkt Untergruppe	. . . containing fluorine and phosphorus [4]
C03C 3/253	2-Punkt Untergruppe	. . containing germanium [4]
C03C 3/32	1-Punkt Untergruppe	. Non-oxide glass compositions, e.g. binary or ternary halides, sulfides, or nitrides of germanium, selenium or tellurium [4]
C03C 4/00	**Hauptgruppe**	**Compositions for glass with special properties [4]**
C03C 4/02	1-Punkt Untergruppe	. for coloured glass [4]
C03C 4/04	1-Punkt Untergruppe	. for photosensitive glass [4]
C03C 4/06	2-Punkt Untergruppe	. . for phototropic or photochromic glass [4]
C03C 4/08	1-Punkt Untergruppe	. for glass selectively absorbing radiation of specified wave lengths [4]
C03C 4/10	1-Punkt Untergruppe	. for infra-red transmitting glass [4]
C03C 4/12	1-Punkt Untergruppe	. for luminescent glass; for fluorescent glass [4]
C03C 4/14	1-Punkt Untergruppe	. for electro-conductive glass [4]
C03C 4/16	1-Punkt Untergruppe	. for dielectric glass [4]
C03C 4/18	1-Punkt Untergruppe	. for ion-sensitive glass [4]
C03C 4/20	1-Punkt Untergruppe	. for chemical resistant glass [4]
C03C 6/00	**Hauptgruppe**	**Glass batch compositions (single ingredients of batch compositions C03C 1/00) [4]**
C03C 6/02	1-Punkt Untergruppe	. containing silicates, e.g. cullet [4]

Symbol	Typ	Titel
C03C 6/04	1-Punkt Untergruppe	. containing uncombined silica, e.g. sand [4]
C03C 6/06	1-Punkt Untergruppe	. containing halogen compounds [4]
C03C 6/08	1-Punkt Untergruppe	. containing pellets or agglomerates [4]
C03C 6/10	1-Punkt Untergruppe	. containing slag [4]
C03C 8/00	**Hauptgruppe**	**Enamels; Glazes (cold glazes for ceramics C04B 41/86); Fusion seal compositions being frit compositions having non-frit additions [4]**
C03C 8/02	1-Punkt Untergruppe	. Frit compositions, i.e. in a powdered or comminuted form [4]
C03C 8/04	2-Punkt Untergruppe	. . containing zinc [4]
C03C 8/06	2-Punkt Untergruppe	. . containing halogen [4]
C03C 8/08	2-Punkt Untergruppe	. . containing phosphorus [4]
C03C 8/10	2-Punkt Untergruppe	. . containing lead [4]
C03C 8/12	3-Punkt Untergruppe	. . . containing titanium or zirconium [4]
C03C 8/14	1-Punkt Untergruppe	. Glass frit mixtures having non-frit additions, e.g. opacifiers, colorants, mill additions [4]
C03C 8/16	2-Punkt Untergruppe	. . with vehicle or suspending agents, e.g. slip [4]
C03C 8/18	2-Punkt Untergruppe	. . containing free metals [4]
C03C 8/20	2-Punkt Untergruppe	. . containing titanium compounds; containing zirconium compounds [4]
C03C 8/22	1-Punkt Untergruppe	. containing two or more distinct frits having different compositions [4]
C03C 8/24	1-Punkt Untergruppe	. Fusion seal compositions being frit compositions having non-frit additions, i.e. for use as seals between dissimilar materials, e.g. glass and metal; Glass solders [4]
C03C 10/00	**Hauptgruppe**	**Devitrified glass ceramics, i.e. glass ceramics having a crystalline phase dispersed in a glassy phase and constituting at least 50% by weight of the total composition [4]**
C03C 10/02	1-Punkt Untergruppe	. Non-silica and non-silicate crystalline phase, e.g. spinel, barium titanate [4]
C03C 10/04	1-Punkt Untergruppe	. Silicate or polysilicate crystalline phase, e.g. mullite, diopside, sphene, plagioclase [4]
C03C 10/06	2-Punkt Untergruppe	. . Divalent metal oxide aluminosilicate crystalline phase, e.g. anorthite, slagcerams [4]
C03C 10/08	3-Punkt Untergruppe	. . . Magnesium aluminosilicate, e.g. cordierite [4]
C03C 10/10	2-Punkt Untergruppe	. . Alkali metal aluminosilicate crystalline phase [4]
C03C 10/12	3-Punkt Untergruppe	. . . Lithium aluminosilicate, e.g. spodumene, eucryptite [4]
C03C 10/14	1-Punkt Untergruppe	. Silica crystalline phase, e.g. stuffed quartz, cristobalite [4]
C03C 10/16	1-Punkt Untergruppe	. Halogen-containing crystalline phase [4]
C03C 11/00	**Hauptgruppe**	**Multi-cellular glass**
C03C 12/00	**Hauptgruppe**	**Powdered glass (C03C 8/02 takes precedence); Bead compositions [4]**
C03C 12/02	1-Punkt Untergruppe	. Reflective beads [4]
C03C 13/00	**Hauptgruppe**	**Fibre or filament compositions (manufacture of fibres or filaments C03B 37/00)**
C03C 13/02	1-Punkt Untergruppe	. containing compounds of titanium or zirconium [4]
C03C 13/04	1-Punkt Untergruppe	. Fibre optics, e.g. core and clad fibre compositions [4]

Symbol	Typ	Titel
C03C 13/06	1-Punkt Untergruppe	. Mineral fibres, e.g. slag wool, mineral wool, rock wool [4]
C03C 14/00	**Hauptgruppe**	**Glass compositions containing a non-glass component, e.g. compositions containing fibres, filaments, whiskers, platelets, or the like, dispersed in a glass matrix (glass batch compositions C03C 6/00; devitrified glass-ceramics C03C 10/00) [4]**
		Surface treatment of glass; Surface treatment of fibres or filaments from glass, minerals or slags
C03C 15/00	**Hauptgruppe**	**Surface treatment of glass, not in the form of fibres or filaments, by etching (etching or surface-brightening compositions, in general C09K 13/00) [2]**
C03C 15/02	1-Punkt Untergruppe	. for making a smooth surface
C03C 17/00	**Hauptgruppe**	**Surface treatment of glass, e.g. of devitrified glass, not in the form of fibres or filaments, by coating (optical coatings of optical elements G02B 1/10)**
C03C 17/02	1-Punkt Untergruppe	. with glass (C03C 17/34, C03C 17/44 take precedence) [3]
C03C 17/04	2-Punkt Untergruppe	. . by fritting glass powder
C03C 17/06	1-Punkt Untergruppe	. with metals (C03C 17/34, C03C 17/44 take precedence) [3]
C03C 17/09	2-Punkt Untergruppe	. . by deposition from the vapour phase [3]
C03C 17/10	2-Punkt Untergruppe	. . by deposition from the liquid phase
C03C 17/22	1-Punkt Untergruppe	. with other inorganic material (C03C 17/34, C03C 17/44 take precedence) [3]
C03C 17/23	2-Punkt Untergruppe	. . Oxides (C03C 17/02 takes precedence) [3]
C03C 17/245	3-Punkt Untergruppe	. . . by deposition from the vapour phase [3]
C03C 17/25	3-Punkt Untergruppe	. . . by deposition from the liquid phase [3]
C03C 17/27	3-Punkt Untergruppe	. . . by oxidation of a coating previously applied [3]
C03C 17/28	1-Punkt Untergruppe	. with organic material (C03C 17/34, C03C 17/44 take precedence) [3]
C03C 17/30	2-Punkt Untergruppe	. . with silicon-containing compounds
C03C 17/32	2-Punkt Untergruppe	. . with synthetic or natural resins (C03C 17/30 takes precedence)
C03C 17/34	1-Punkt Untergruppe	. with at least two coatings having different compositions (C03C 17/44 takes precedence) [3]
C03C 17/36	2-Punkt Untergruppe	. . at least one coating being a metal [3]
C03C 17/38	3-Punkt Untergruppe	. . . at least one coating being a coating of an organic material [3]
C03C 17/40	3-Punkt Untergruppe	. . . all coatings being metal coatings [3]
C03C 17/42	2-Punkt Untergruppe	. . at least one coating of an organic material and at least one non-metal coating [3]
C03C 17/44	1-Punkt Untergruppe	. Lustring [3]
C03C 19/00	**Hauptgruppe**	**Surface treatment of glass, not in the form of fibres or filaments, by mechanical means (sand-blasting, grinding, or polishing glass B24)**
C03C 21/00	**Hauptgruppe**	**Treatment of glass, not in the form of fibres or filaments, by diffusing ions or metals into the surface**
C03C 23/00	**Hauptgruppe**	**Other surface treatment of glass not in the form of fibres or filaments**
C03C 25/00	**Hauptgruppe**	**Surface treatment of fibres or filaments from glass, minerals, or slags**
C03C 25/10	1-Punkt Untergruppe	. by coating [7]
C03C 25/12	2-Punkt Untergruppe	. . General methods for coating; Devices therefor [7]
C03C 25/14	3-Punkt Untergruppe	. . . Spraying [7]

Symbol	Typ	Titel
C03C 25/16	3-Punkt Untergruppe	. . . Dipping [7]
C03C 25/18	3-Punkt Untergruppe	. . . using extrusion devices [7]
C03C 25/20	3-Punkt Untergruppe	. . . Contacting the fibres with applicators, e.g. rolls [7]
C03C 25/22	3-Punkt Untergruppe	. . . Deposition from the vapour phase [7]
C03C 25/24	2-Punkt Untergruppe	. . Coatings containing organic materials [7]
C03C 25/26	3-Punkt Untergruppe	. . . Macromolecular compounds or prepolymers [7]
C03C 25/28	4-Punkt Untergruppe	. . . . obtained by reactions involving only carbon-to-carbon unsaturated bonds, e.g. acrylic resins [7]
C03C 25/30	5-Punkt Untergruppe	. . . . . Polyolefins [7]
C03C 25/32	4-Punkt Untergruppe	. . . . obtained otherwise than by reactions involving only carbon-to-carbon unsaturated bonds [7]
C03C 25/34	5-Punkt Untergruppe	. . . . . Condensation polymers of aldehydes, e.g. with phenols, ureas, melamines, amides or amines [7]
C03C 25/36	5-Punkt Untergruppe	. . . . . Epoxy resins [7]
C03C 25/38	3-Punkt Untergruppe	. . . Organo-metallic compounds [7]
C03C 25/40	3-Punkt Untergruppe	. . . Organo-silicon compounds [7]
C03C 25/42	2-Punkt Untergruppe	. . Coatings containing inorganic materials [7]
C03C 25/44	3-Punkt Untergruppe	. . . Carbon, e.g. graphite [7]
C03C 25/46	3-Punkt Untergruppe	. . . Metals [7]
C03C 25/48	2-Punkt Untergruppe	. . with two or more coatings having different compositions [7]
C03C 25/50	3-Punkt Untergruppe	. . . Coatings containing organic materials only [7]
C03C 25/52	3-Punkt Untergruppe	. . . Coatings containing inorganic materials only [7]
C03C 25/54	3-Punkt Untergruppe	. . . Combinations of one or more coatings containing organic materials only with one or more coatings containing inorganic materials only [7]
C03C 25/60	1-Punkt Untergruppe	. by diffusing ions or metals into the surface [7]
C03C 25/62	1-Punkt Untergruppe	. by application of electric or wave energy or particle radiation, or by ion implantation (for drying or dehydration C03C 25/64) [7]
C03C 25/64	1-Punkt Untergruppe	. Drying; Dehydration; Dehydroxylation [7]
C03C 25/66	1-Punkt Untergruppe	. Chemical treatment, e.g. leaching, acid or alkali treatment (dehydroxylation C03C 25/64) [7]
C03C 25/68	2-Punkt Untergruppe	. . by etching [7]
C03C 25/70	1-Punkt Untergruppe	. Cleaning, e.g. for reuse (C03C 25/62-C03C 25/66 take precedence) [7]
		Joining glass to glass or to other materials (fusion seal compositions C03C 8/24)
C03C 27/00	**Hauptgruppe**	**Joining pieces of glass to pieces of other inorganic material; Joining glass to glass other than by fusing (C03C 17/00 takes precedence; wired glass C03B; joining glass to ceramics C04)**
C03C 27/02	1-Punkt Untergruppe	. by fusing glass directly to metal
C03C 27/04	1-Punkt Untergruppe	. Joining glass to metal by means of an interlayer

Symbol	Typ	Titel
C03C 27/06	1-Punkt Untergruppe	. Joining glass to glass by processes other than fusing (fusing C03B 23/20; units for use as elements for closing wall or like openings and comprising two or more parallel glass panes in spaced relationship, the panes being permanently secured together E06B 3/66)
C03C 27/08	2-Punkt Untergruppe	. . with the aid of intervening metal
C03C 27/10	2-Punkt Untergruppe	. . with the aid of adhesive specially adapted for that purpose
C03C 27/12	3-Punkt Untergruppe	. . . Laminated glass (mechanical features in manufacture of glass laminates part of which is of plastic material B32B)
C03C 29/00	**Hauptgruppe**	**Joining metals with the aid of glass**