SECTION C — CHEMISTRY; METALLURGY

C03 GLASS; MINERAL OR SLAG WOOL

C03B MANUFACTURE OR SHAPING OF GLASS, OR OF MINERAL OR SLAG WOOL; SUPPLEMENTARY PROCESSES IN THE MANUFACTURE OR SHAPING OF GLASS, OR OF MINERAL OR SLAG WOOL (surface treatment C03C)

Subclass index

MANUFACTURE OF GLASS
- Processes before melting....1/00, 3/00
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SHAPING
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- Thermic treatment....25/00, 29/00, 32/00
- Tempering....27/00
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- Re-forming....23/00, 31/00
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Melting the raw material

1/00 Preparing the batches [1, 2006.01]

1/02 • Compacting the glass batches, e.g. pelletising **[5, 2006.01]**

3/00 Charging the melting furnaces [1, 2006.01]

3/02 • combined with preheating, premelting or pretreating the glass-making ingredients, pellets or cullet **[5, 2006.01]**

5/00 Melting in furnaces; Furnaces so far as specially adapted for glass manufacture [1, 2006.01]

5/02 • in electric furnaces **[1, 2006.01]**

5/027 • • by passing an electric current between electrodes immersed in the glass bath, i.e. by direct resistance heating **[3, 2006.01]**

5/03 • • • Tank furnaces **[5, 2006.01]**

5/033 • • by using resistance heaters above or in the glass bath, i.e. by indirect resistance heating **[3, 2006.01]**

Note(s)

Group C03B 5/02 takes precedence over groups C03B 5/04-C03B 5/14.

5/04 • in tank furnaces **[1, 2006.01]**

5/05 • • Discontinuously-working tank furnaces, e.g. day tanks **[5, 2006.01]**

5/06 • in pot furnaces **[1, 2006.01]**

5/08 • • Glass-melting pots **[1, 2006.01]**

5/10 • in combined tank furnaces and pots **[1, 2006.01]**

5/12 • in shaft furnaces **[1, 2006.01]**

5/14 • in revolving cylindrical furnaces **[1, 2006.01]**

5/16 • Special features of the melting process; Auxiliary means specially adapted for glass-melting furnaces **[1, 2006.01]**

5/167 • • Means for preventing damage to equipment, e.g. by molten glass, hot gases, batches (C03B 5/20, C03B 5/42 take precedence) **[5, 2006.01]**

5/173 • • Apparatus for changing the composition of the molten glass in glass furnaces, e.g. for colouring the molten glass (chemical aspects C03C) **[5, 2006.01]**

5/18 • • Stirring devices; Homogenisation **[1, 2006.01]**

5/182 • • • by moving the molten glass along fixed elements, e.g. deflectors, weirs, baffle plates **[5, 2006.01]**

5/183 • • • using thermal means, e.g. for creating convection currents **[5, 2006.01]**

5/185 • • • • Electric means **[5, 2006.01]**

5/187 • • • with moving elements **[3, 2006.01]**

5/193 • • • using gas, e.g. bubblers **[3, 2006.01]**

5/20 • • Bridges, shoes, throats, or other devices for withholding dirt, foam, or batch **[1, 2006.01]**

5/225 • • Refining (C03B 5/18 takes precedence) **[3, 2006.01]**

5/23 • • Cooling the molten glass (C03B 5/18, C03B 5/225 take precedence) **[3, 2006.01]**
5/235 • • Heating the glass (C03B 5/02, C03B 5/18, C03B 5/225 take precedence) **[3, 2006.01]**
5/237 • • • Regenerators or recuperators specially adapted for glass-melting furnaces **[5, 2006.01]**
5/24 • • Automatically regulating the melting process **[1, 2006.01]**
5/26 • • Outlets; Overflows **[1, 2006.01]**
5/28 • • Siphons **[1, 2006.01]**
5/42 • • Details of construction of furnace walls, e.g. to prevent corrosion; Use of materials for furnace walls **[3, 2006.01]**
5/425 • • • Preventing corrosion or erosion (C03B 5/44 takes precedence) **[5, 2006.01]**
5/43 • • • Use of materials for furnace walls, e.g. fire-bricks **[5, 2006.01]**
5/435 • • • Heating arrangements for furnace walls **[5, 2006.01]**
5/44 • • • Cooling arrangements for furnace walls **[3, 2006.01]**

7/00 Distributors for the molten glass; Means for taking-off charges of molten glass; Producing the gob [1, 2006.01]
7/01 • Means for taking-off charges of molten glass **[5, 2006.01]**
7/02 • Forehearths, i.e. feeder channels **[3, 2006.01]**
7/04 • • Revolving forehearths **[3, 2006.01]**
7/06 • • Means for thermal conditioning or controlling the temperature of the glass **[3, 2006.01]**
7/07 • • • Electric means **[5, 2006.01]**
7/08 • Feeder spouts, e.g. gob feeders **[3, 2006.01]**
7/082 • • Pneumatic feeders **[5, 2006.01]**
7/084 • • Tube mechanisms **[5, 2006.01]**
7/086 • • Plunger mechanisms **[5, 2006.01]**
7/088 • • Outlets, e.g. orifice rings **[5, 2006.01]**
7/09 • • Spout blocks **[5, 2006.01]**
7/092 • • Stirring devices; Homogenisation (C03B 5/18 takes precedence) **[5, 2006.01]**
7/094 • • Means for heating, cooling or insulation **[5, 2006.01]**
7/096 • • • for heating **[5, 2006.01]**
7/098 • • • • electric **[5, 2006.01]**
7/10 • Cutting-off the glass flow with the aid of knives or scissors; Construction of the blades used **[3, 2006.01]**
7/11 • • Construction of the blades **[5, 2006.01]**
7/12 • • Cutting-off a free-hanging glass stream **[3, 2006.01]**
7/14 • Transferring molten glass or gobs to glass blowing or pressing machines (C03B 7/18-C03B 7/22 take precedence) **[3, 2006.01]**
7/16 • • using deflector chutes **[3, 2006.01]**
7/18 • Suction feeders **[3, 2006.01]**
7/20 • Scoop feeders **[3, 2006.01]**
7/22 • Gathering-devices in the form of rods or pipes **[3, 2006.01]**

8/00 Production of glass by other processes than melting processes (C03B 37/014 takes precedence; preparation of finely divided silica, in general C01B 33/18) **[4, 2006.01]**
8/02 • by liquid phase reaction processes **[4, 2006.01]**
8/04 • by gas phase reaction processes **[4, 2006.01]**

Shaping of glass

9/00 Blowing glass; Production of hollow glass articles [1, 2006.01]
9/02 • with the mouth; Auxiliary means therefor **[1, 2006.01]**
9/03 • • Blow pipes **[3, 2006.01]**
9/04 • • Making hollow glass articles with feet or projections **[1, 2006.01]**
9/06 • • Making hollow glass articles with double walls, e.g. vacuum flasks **[1, 2006.01]**
9/08 • Finish-blowing with compressed air of blanks blown with the mouth **[1, 2006.01]**
9/10 • Blowing glass cylinders for sheet manufacture **[1, 2006.01]**
9/12 • starting from a ribbon of glass; Ribbon machines **[1, 2006.01]**
9/13 • in gob feeder machines (C03B 9/28, C03B 9/29 take precedence) **[3, 2006.01]**
9/14 • • in "blow" machines or in "blow-and-blow" machines (C03B 9/193, C03B 9/20 take precedence) **[1, 3, 2006.01]**
9/16 • • • in machines with turn-over moulds **[1, 3, 2006.01]**
9/18 • • • • Rotary-table machines **[1, 3, 2006.01]**
9/19 • • • • • having only one rotary table **[3, 2006.01]**
9/193 • • in "press-and-blow" machines **[3, 2006.01]**
9/195 • • • Rotary-table machines **[3, 2006.01]**
9/197 • • • Construction of the blank mould **[3, 2006.01]**
9/20 • in "vacuum blowing" or in "vacuum-and-blow" machines **[1, 2006.01]**
9/22 • • Rotary table machines **[1, 2006.01]**
9/24 • • Construction of the blank mould **[1, 2006.01]**
9/28 • in machines of the endless-chain type (C03B 9/12 takes precedence) **[1, 3, 2006.01]**
9/29 • Paste mould machines (C03B 9/28 takes precedence) **[3, 2006.01]**
9/295 • • Rotary table machines **[5, 2006.01]**
9/30 • Details of blowing glass (for blowing with the mouth C03B 9/02); Use of materials for the moulds **[1, 2006.01]**
9/31 • • Blowing laminated glass articles or glass with enclosures, e.g. wires, bubbles **[5, 2006.01]**
9/32 • • Giving special shapes to parts of hollow glass articles **[1, 2006.01]**
9/325 • • • Forming screw threads or lips at the mouth of hollow glass articles; Neck moulds **[3, 2006.01]**
9/33 • • • Making hollow glass articles with feet or projections; Moulds therefor **[3, 2006.01]**
9/335 • • • Forming bottoms to blown hollow glass articles; Bottom moulds **[3, 2006.01]**
9/34 • • Glass-blowing moulds not otherwise provided for **[1, 2006.01]**
9/347 • • • Construction of the blank or blow mould **[3, 2006.01]**
9/353 • • • Mould holders **[3, 2006.01]**
9/36 • • Blow heads; Supplying, ejecting, or controlling the air **[1, 2006.01]**
9/38 • • Means for cooling, heating, or insulating glass-blowing machines **[1, 2006.01]**
9/40 • • Gearing or controlling mechanisms specially adapted for glass-blowing machines **[1, 2006.01]**
9/41 • • • Electric or electronic systems **[5, 2006.01]**
9/42 • • Means for fusing, burning-off, or edge-melting combined with glass-blowing machines (uniting glass pieces by fusing C03B 23/20) **[1, 2006.01]**

9/44 • • Means for discharging combined with glass-blowing machines, e.g. take-outs **[1, 2006.01]**
9/447 • • • Means for the removal of glass articles from the blow-mould, e.g. take-outs **[5, 2006.01]**
9/453 • • • Means for pushing newly formed glass articles onto a conveyor, e.g. sweep-out mechanisms; Dead-plate mechanisms **[5, 2006.01]**
9/46 • • Means for cutting the hot glass in glass-blowing machines (burning-off C03B 9/42) **[1, 2006.01]**
9/48 • • Use of materials for the moulds **[3, 2006.01]**

11/00 Pressing glass [1, 2006.01]
11/02 • in machines with rotary tables **[1, 2006.01]**
11/04 • in machines with moulds fed by suction **[1, 2006.01]**
11/05 • in machines with reciprocating moulds **[3, 2006.01]**
11/06 • Construction of plunger or mould **[1, 2006.01]**
11/07 • • Suction moulds **[3, 2006.01]**
11/08 • • for making solid articles, e.g. lenses **[1, 2006.01]**
11/10 • • for making hollow articles **[1, 2006.01]**
11/12 • Cooling, heating, or insulating the plunger, the mould, or the glass-pressing machine (C03B 9/38 takes precedence) **[1, 3, 2006.01]**
11/14 • with metal inserts **[1, 2006.01]**
11/16 • Gearing or controlling mechanisms specially adapted for glass presses **[1, 2006.01]**

13/00 Rolling glass [1, 2006.01]
13/01 • Rolling profiled glass articles **[5, 2006.01]**
13/02 • Rolling non-patterned sheets discontinuously **[1, 2006.01]**
13/04 • Rolling non-patterned sheets continuously **[1, 2006.01]**
13/06 • Rolling corrugated sheets **[1, 2006.01]**
13/08 • Rolling patterned sheets **[1, 2006.01]**
13/10 • Rolling multi-layer sheets **[1, 2006.01]**
13/12 • Rolling glass with enclosures, e.g. wire or asbestos **[1, 2006.01]**
13/14 • Rolling other articles **[1, 2006.01]**
13/16 • Construction of the glass rollers **[1, 2006.01]**
13/18 • Auxiliary means for rolling glass, e.g. sheet supports, gripping devices, hand-ladles, means for moving glass pots **[1, 2006.01]**

15/00 Drawing glass upwardly from the melt [1, 2006.01]
15/02 • Drawing glass sheets **[1, 2006.01]**
15/04 • • from the free surface of the melt **[1, 2006.01]**
15/06 • • from a debiteuse **[1, 2006.01]**
15/08 • • by means of bars below the surface of the melt **[1, 2006.01]**
15/10 • • multi-layer glass sheets or glass sheets coated with coloured layers **[1, 2006.01]**
15/12 • • Construction of the annealing tower **[1, 2006.01]**
15/14 • Drawing tubes, cylinders, or rods from the melt **[1, 2006.01]**
15/16 • • Drawing tubes, cylinders, or rods, coated with coloured layers **[1, 2006.01]**
15/18 • Means for laying-down and conveying combined with the drawing of glass sheets, tubes, or rods **[1, 2006.01]**

17/00 Forming glass by flowing out, pushing-out, or drawing downwardly or laterally from forming slits or by overflowing over lips [1, 2006.01]
17/02 • Forming glass coated with coloured layers **[1, 2006.01]**
17/04 • Forming tubes or rods by drawing from stationary or rotating tools or from forming nozzles **[1, 2006.01]**
17/06 • Forming glass sheets **[3, 2006.01]**

18/00 Shaping glass in contact with the surface of a liquid [1, 2006.01]
18/02 • Forming sheets **[1, 2006.01]**
18/04 • • Changing or regulating the dimensions of the molten glass ribbon **[3, 2006.01]**
18/06 • • • using mechanical means, e.g. restrictor bars, edge rollers **[3, 2006.01]**
18/08 • • • using gas **[3, 2006.01]**
18/10 • • • using electric means **[3, 2006.01]**
18/12 • • Making multilayer, coloured or armoured glass (chemical aspects C03C) **[3, 2006.01]**
18/14 • • Changing the surface of the glass ribbon, e.g. roughening (by chemical methods C03C) **[3, 2006.01]**
18/16 • • Construction of the float tank; Use of material for the float tank; Coating or protection of the tank wall **[3, 2006.01]**
18/18 • • Controlling or regulating the temperature of the float bath; Composition or purification of the float bath **[3, 2006.01]**
18/20 • • Composition of the atmosphere above the float bath; Treating or purifying the atmosphere above the float bath **[3, 2006.01]**
18/22 • • • Controlling or regulating the temperature of the atmosphere above the float tank **[3, 2006.01]**

19/00 Other methods of shaping glass (manufacture or treatment of flakes, fibres, or filaments from softened glass, minerals, or slags C03B 37/00) **[1, 2006.01]**
19/01 • by progressive fusion of powdered glass onto a shaping substrate, i.e. accretion **[5, 2006.01]**
19/02 • by casting **[1, 2006.01]**
19/04 • by centrifuging **[1, 2006.01]**
19/06 • by sintering (production of quartz or fused silica articles C03B 20/00) **[1, 2, 2006.01]**
19/08 • by foaming **[1, 2006.01]**
19/09 • by fusing powdered glass in a shaping mould **[3, 2006.01]**
19/10 • Forming beads **[1, 2006.01]**
19/12 • by liquid-phase reaction processes **[5, 2006.01]**
19/14 • by gas-phase reaction processes **[5, 2006.01]**

20/00 Processes specially adapted for the production of quartz or fused silica articles [3, 2006.01]

21/00 Severing glass sheets, tubes, or rods while still plastic [1, 2006.01]
21/02 • by cutting (C03B 9/46 takes precedence) **[1, 2006.01]**
21/04 • by punching out **[1, 2006.01]**
21/06 • by flashing-off, burning-off, or fusing (C03B 9/42 takes precedence) **[1, 3, 2006.01]**

23/00 Re-forming shaped glass (re-forming fibres or filaments C03B 37/14) **[1, 2006.01]**
23/02 • Re-forming glass sheets **[1, 2006.01]**
23/023 • • by bending **[3, 2006.01]**
23/025 • • • by gravity **[3, 2006.01]**
23/027 • • • • with moulds having at least two upward pivotable mould sections **[3, 2006.01]**
23/03 • • • by press-bending between shaping moulds **[3, 2006.01]**

23/031 • • • • the glass sheets being in a vertical position (C03B 23/033 takes precedence) **[5, 2006.01]**
23/033 • • • • in a continuous way, e.g. roll forming **[3, 2006.01]**
23/035 • • • using a gas cushion or by changing gas pressure, e.g. by applying vacuum **[3, 2006.01]**
23/037 • • by drawing **[3, 2006.01]**
23/04 • Re-forming tubes or rods **[1, 2006.01]**
23/043 • • Heating devices specially adapted for re-forming tubes or rods in general, e.g. burners **[5, 2006.01]**
23/045 • • Tools or apparatus specially adapted for re-forming tubes or rods in general, e.g. glass lathes, chucks (C03B 23/043 takes precedence) **[5, 2006.01]**
23/047 • • by drawing (C03B 37/025 takes precedence) **[5, 2006.01]**
23/049 • • by pressing (C03B 21/04, C03B 23/26 take precedence) **[5, 2006.01]**
23/051 • • by gravity, e.g. sagging **[5, 2006.01]**
23/053 • • by centrifuging (C03B 37/04 takes precedence) **[5, 2006.01]**
23/055 • • by rolling **[5, 2006.01]**
23/057 • • by fusing, e.g. for flame sealing (C03B 9/42, C03B 21/06, C03B 33/08 take precedence) **[5, 2006.01]**
23/06 • • by bending **[1, 2006.01]**
23/07 • • by blowing, e.g. for making electric bulbs **[3, 2006.01]**
23/08 • • to exact dimensions, e.g. calibrating **[1, 2006.01]**
23/09 • • Reshaping the ends, e.g. as grooves, threads or mouths **[3, 2006.01]**
23/11 • • Reshaping by drawing without blowing, in combination with separating, e.g. for making ampoules **[3, 2006.01]**
23/13 • • Reshaping combined with uniting or heat sealing, e.g. making vacuum bottles **[3, 2006.01]**
23/18 • Re-forming and sealing ampoules **[1, 2006.01]**
23/20 • Uniting glass pieces by fusing without substantial reshaping **[1, 2006.01]**
23/203 • • Uniting glass sheets (C03B 23/24 takes precedence) **[3, 2006.01]**
23/207 • • Uniting glass rods, glass tubes, or hollow glassware (C03B 23/24 takes precedence) **[3, 2006.01]**
23/213 • • • Joining projections or feet **[3, 2006.01]**
23/217 • • • for the production of cathode ray tubes or similarly shaped tubes **[3, 2006.01]**
23/22 • • Uniting glass lenses, e.g. forming bifocal lenses **[1, 2006.01]**
23/24 • • Making hollow glass sheets or bricks **[1, 2006.01]**
23/26 • Punching reheated glass **[1, 2006.01]**

<u>After-treatment of glass product</u>

25/00 **Annealing glass products** (after-treatment of fibres C03B 37/10) **[1, 2006.01]**
25/02 • in a discontinuous way **[1, 2006.01]**
25/04 • in a continuous way **[1, 2006.01]**
25/06 • • with horizontal displacement of the glass products **[3, 2006.01]**
25/08 • • • of glass sheets **[3, 2006.01]**
25/087 • • • • being in a vertical position **[5, 2006.01]**
25/093 • • • • being in a horizontal position on a fluid support, e.g. a gas or molten metal **[5, 2006.01]**
25/10 • • with vertical displacement of the glass products **[3, 2006.01]**
25/12 • • • of glass sheets **[3, 2006.01]**

27/00 **Tempering glass products** (after-treatment of fibres C03B 37/10) **[1, 2006.01]**
27/004 • by bringing the hot glass product in contact with a solid cooling surface, e.g. sand grains **[5, 2006.01]**
27/008 • by using heat of sublimation of solid particles **[5, 2006.01]**
27/012 • by heat treatment, e.g. for crystallisation; Heat treatment of glass products before tempering by cooling (C03B 27/008, C03B 27/016 take precedence) **[5, 2006.01]**
27/016 • by absorbing heat radiated from the glass product **[5, 2006.01]**
27/02 • using liquid **[3, 5, 2006.01]**
27/03 • • the liquid being a molten metal or a molten salt **[5, 2006.01]**
27/04 • using gas **[3, 2006.01]**
27/044 • • for flat or bent glass sheets being in a horizontal position **[5, 2006.01]**
27/048 • • • on a gas cushion **[5, 2006.01]**
27/052 • • for flat or bent glass sheets being in a vertical position **[5, 2006.01]**
27/056 • • • supported on the lower edge **[5, 2006.01]**
27/06 • • for glass products other than flat or bent glass plates, e.g. hollow glassware, lenses **[3, 2006.01]**

29/00 **Reheating glass products for softening or fusing their surfaces; Fire-polishing; Fusing of margins** (after-treatment of fibres C03B 37/10) **[1, 2006.01]**
29/02 • in a discontinuous way **[1, 2006.01]**
29/04 • in a continuous way **[1, 2006.01]**
29/06 • • with horizontal displacement of the products **[5, 2006.01]**
29/08 • • • Glass sheets **[5, 2006.01]**
29/10 • • • • being in a vertical position **[5, 2006.01]**
29/12 • • • • being in a horizontal position on a fluid support, e.g. a gas or molten metal **[5, 2006.01]**
29/14 • • with vertical displacement of the products **[5, 2006.01]**
29/16 • • • Glass sheets **[5, 2006.01]**

31/00 **Manufacture of rippled or crackled glass [1, 2006.01]**

32/00 **Thermal after-treatment of glass products not provided for in groups C03B 25/00-C03B 31/00, e.g. crystallisation, eliminating gas inclusions or other impurities** (after-treatment of fibres C03B 37/10) **[2, 2006.01]**
32/02 • Thermal crystallisation, e.g. for crystallising glass bodies into glass-ceramic articles **[5, 2006.01]**

33/00 **Severing cooled glass** (severing glass fibres C03B 37/16) **[1, 2006.01]**
33/02 • Cutting or splitting sheet glass; Apparatus or machines therefor (C03B 33/09 takes precedence; glass-cutting tools C03B 33/10) **[1, 3, 2006.01]**
33/023 • • the sheet being in a horizontal position **[5, 2006.01]**
33/027 • • • Scoring tool holders; Driving mechanisms therefor **[5, 2006.01]**
33/03 • • • Glass cutting tables; Apparatus for transporting or handling sheet glass during the cutting or breaking operations **[5, 2006.01]**

33/033 • • • Apparatus for opening score lines in glass sheets **[5, 2006.01]**
33/037 • • • Controlling or regulating **[5, 2006.01]**
33/04 • • Cutting or splitting in curves, especially for making spectacle lenses **[1, 2006.01]**
33/06 • Cutting or splitting glass tubes, rods, or hollow products (C03B 33/09 takes precedence) **[1, 3, 2006.01]**
33/07 • Cutting armoured or laminated glass products **[3, 2006.01]**
33/08 • by fusing **[1, 2006.01]**
33/085 • • Tubes, rods or hollow products **[5, 2006.01]**
33/09 • by thermal shock **[3, 2006.01]**
33/095 • • Tubes, rods or hollow products **[5, 2006.01]**
33/10 • Glass-cutting tools, e.g. scoring tools **[1, 2006.01]**
33/12 • • Hand tools **[3, 2006.01]**
33/14 • • • specially adapted for cutting tubes, rods or hollow products **[5, 2006.01]**

35/00 Transporting of glass products during their manufacture [1, 2, 2006.01]
35/04 • Transporting of hot hollow glass products (C03B 35/26 takes precedence) **[3, 2006.01]**
35/06 • • Feeding of hot hollow glass products into annealing or heating kilns **[3, 2006.01]**
35/08 • • • using rotary means directly acting on the products **[3, 2006.01]**
35/10 • • • using reciprocating means directly acting on the products, e.g. pushers, stackers **[3, 2006.01]**
35/12 • • • by picking-up and depositing **[3, 2006.01]**
35/14 • Transporting hot glass sheets **[3, 2006.01]**
35/16 • • by roller conveyors **[3, 2006.01]**
35/18 • • • Construction of the conveyor rollers **[3, 2006.01]**
35/20 • • by gripping tongs or supporting frames **[3, 2006.01]**
35/22 • • on a fluid support bed, e.g. on molten metal **[3, 2006.01]**
35/24 • • • on a gas support bed **[3, 2006.01]**
35/26 • Transporting of glass tubes or rods **[3, 2006.01]**

37/00 Manufacture or treatment of flakes, fibres, or filaments from softened glass, minerals, or slags [1, 2006.01]
37/005 • Manufacture of flakes **[5, 2006.01]**
37/01 • Manufacture of glass fibres or filaments **[3, 2006.01]**
37/012 • • Manufacture of preforms for drawing fibres or filaments **[4, 2006.01]**
37/014 • • • made entirely or partially by chemical means **[4, 2006.01]**
37/016 • • • • by a liquid phase reaction process, e.g. through a gel phase **[4, 2006.01]**
37/018 • • • • by glass deposition on a glass substrate, e.g. by chemical vapour deposition (C03B 37/016 takes precedence; surface treatment of glass by coating with glass C03C 17/02) **[4, 2006.01]**
37/02 • • by drawing or extruding (C03B 37/04 takes precedence) **[1, 3, 2006.01]**
37/022 • • • from molten glass in which the resultant product consists of different sorts of glass or is characterised by shape, e.g. hollow fibres **[4, 2006.01]**
37/023 • • • • Fibres composed of different sorts of glass, e.g. fibre optics **[4, 2006.01]**
37/025 • • • from reheated softened tubes, rods, fibres or filaments **[3, 2006.01]**
37/026 • • • • Drawing fibres reinforced with a metal wire **[5, 2006.01]**
37/027 • • • • Fibres composed of different sorts of glass, e.g. fibre optics (C03B 37/028 takes precedence) **[4, 2006.01]**
37/028 • • • • Drawing fibre bundles, e.g. for making fibre bundles of multifibres **[4, 2006.01]**
37/029 • • • • Furnaces therefor **[5, 2006.01]**
37/03 • • • Drawing means, e.g. drawing drums **[3, 2006.01]**
37/035 • • • • having means for deflecting or stripping-off fibres **[3, 2006.01]**
37/04 • • by using centrifugal force **[1, 3, 2006.01]**
37/05 • • • by projecting on a rotating body having no radial orifices **[3, 2006.01]**
37/06 • • by blasting or blowing molten glass, e.g. for making staple fibres **[1, 3, 2006.01]**
37/065 • • • starting from tubes, rods, fibres, or filaments **[3, 2006.01]**
37/07 • Controlling or regulating **[3, 2006.01]**
37/075 • Manufacture of fibres or filaments consisting of different sorts of glass or characterised by shape, e.g. hollow fibres, undulated fibres (C03B 37/022, C03B 37/027, C03B 37/028 take precedence) **[3, 4, 2006.01]**
37/08 • Bushings; Spinnerettes; Nozzles; Nozzle plates **[1, 2006.01]**
37/081 • • Indirect-melting bushings **[5, 2006.01]**
37/083 • • Nozzles; Bushing nozzle plates (C03B 37/095 takes precedence) **[5, 2006.01]**
37/085 • • Feeding devices therefor **[3, 2006.01]**
37/09 • • electrically heated **[3, 2006.01]**
37/092 • • • Direct-resistance heating **[5, 2006.01]**
37/095 • • Use of materials therefor **[3, 2006.01]**
37/10 • Non-chemical treatment (C03C 25/00 takes precedence) **[1, 2006.01]**
37/12 • • of fibres or filaments during winding up **[3, 2006.01]**
37/14 • • Re-forming fibres or filaments (C03B 37/025 takes precedence) **[3, 2006.01]**
37/15 • • • with heat application, e.g. for making optical fibres (fusion-splicing of light guides G02B 6/255; treatment of light guides to shape optical elements G02B 6/287) **[5, 2006.01]**
37/16 • • Cutting or severing (light guides G02B 6/25) **[3, 5, 2006.01]**

40/00 Preventing adhesion between glass and glass or between glass and the means used to shape it [3, 2006.01]
40/02 • by lubrication; Use of materials as release or lubricating compositions **[3, 2006.01]**
40/027 • • Apparatus for applying lubricants to glass shaping moulds or tools **[5, 2006.01]**
40/033 • • Means for preventing adhesion between glass and glass **[5, 2006.01]**
40/04 • using gas **[3, 2006.01]**