

Monica Sarmiento

Search history

Search 1: TAC=((Draw or drawing*) and vitrifiable*) (Results 161)

Search 2: TAC=((Draw or drawing*) and vitrifiable* and (rotary furnace)) and CPC=(C03B) (Results 1)

Search 3: TAC=((Draw or drawing*) and (vitrifiable* or glass*) and melt*) and CPC=(C03B) (Results 2388)

Search 4: TAC=(Draw? and (vitrifiable* or glass*) and melt*) and CPC=(C03B) (Results 1082)

Search 5: TAC=(Draw* and (vitrifiable* or glass*) and melt*) and CPC=(C03B) (Results 2658)

Search 6: TAC=(Draw* and (vitrifiable* or glass*) and melt* and fiber*) and CPC=(C03B) (Results 744)

Search 7: TAC=(Draw* and (vitrifiable* or glass*) and melt* and fiber* and (orifice* or hole*)) and CPC=(C03B) (Results 222)

Search 8: TAC=(Draw* and (vitrifiable* or glass*) and melt* and fiber* and (orifice* or hole*) and furnace*) and CPC=(C03B) (Results 84)

Search 9: TAC=(Draw* and (vitrifiable* or glass*) and melt* and fiber* and (orifice* or hole*) and furnace* NOT optical) and CPC=(C03B) (Results 58)

Search 10: TAC=(Draw* and (vitrifiable* or glass*) and melt* and fibre* and (orifice* or hole*) and furnace* NOT optical) and CPC=(C03B) (Results 61)

Search 11: TAC=(Draw* and (vitrifiable* or glass*) and melt* and (fiber* or fibre*) and (orifice* or hole*) and furnace* NOT optical) and CPC=(C03B) (Results 75)

Search 12: STAC=(Draw* and (vitrifiable* or glass*) and melt* and (fiber* or fibre*) and (orifice* or hole*) and furnace* NOT optical) and CPC=(C03B) (Results 62)

Search 13: STAC=((Draw* and (vitrifiable* or glass*) and melt* and (fiber* or fibre* NOT optical) and (orifice* or hole*) and furnace*)) (Results 97)

Search 14: STAC=((Draw* and (vitrifiable* or glass*) and melt* and (fiber* or fibre* NOT optical) and (orifice* or hole*) and furnace* and barrier*)) (Results 7)

Search 15: STAC=(Draw* and (vitrifiable* or glass*) and melt* and (fiber* or fibre* NOT optical) and (orifice* or hole*) and furnace* and (barrier* or obstructer* or dam*)) and CPC=(c03b) (Results 11)

Search 16: TAC=(Draw* and (vitrifiable* or glass*) and melt* and (fiber* or fibre* NOT optical) and (orifice* or hole*) and furnace* and (barrier* or obstructer* or dam*)) and CPC=(c03b) (Results 16)

Search 17: TAC=(method and Draw* and (vitrifiable* or glass*) and melt* and (fiber* or fibre* NOT optical) and (orifice* or hole*) and furnace* and (barrier* or obstructer* or dam*)) and CPC=(c03b) (Results 13)

Search 18: TAC=(method and (vitrifiable* or glass*) and melt* and (fiber* or fibre* NOT optical) and (orifice* or hole*) and furnace* and (barrier* or obstructer* or dam*)) and CPC=(c03b) (Results 17)

Search 19: TAC=(method and (vitrifiable* or glass*) and melt* and (fiber* or fibre* NOT optical) and furnace* and (barrier* or obstructer* or dam*)) and CPC=(c03b) (Results 34)

Search 20: TAC=(method and (vitrifiable* or glass*) and melt* and (fiber* or fibre* NOT optical) and furnace* and (barrier* or obstructer* or dam*) and throat) and CPC=(c03b) (Results 0)

Search 21: TAC=(method* and melt* and glass*) and CPC=(c03b) (Results 5477)

Search 22: TAC=(method* and melt* and (vitrified* or glass*) and furnace*) and CPC=(c03b) (Results 2212)

Search 23: TAC=(method* and melt* and (vitrified* or glass*) and furnace* and (barrier* or dam* or obstructer*)) and CPC=(c03b) (Results 297)

Search 24: TAC=(method* and melt* and (vitrified* or glass*) and furnace* and (barrier* or dam* or obstructer*) and (fibre* or fiber*)) and CPC=(c03b) (Results 44)

Title: **METHOD** OF MANUFACTURING HIGH PERFORMANCE **GLASS FIBERS** IN A REFRACTORY LINED **MELTER** AND **FIBER** FORMED THEREBY

Abstract: Source: US2007105701A A **method** of forming high strength **glass fibers** in a refractory lined **glass melter** is disclosed. The refractory lined **melter** is suited to the batch compositions disclosed for the formation high modulus, and high-strength **glass fibers**. The **glass** composition for use in the **method** of the present invention is up to about 70.5 Weight percent SiO₂, 24.5 weight percent Al₂O₃, 22 weight percent alkaline earth oxides and may include small amounts of alkali metal oxides and ZrO₂. Oxide based refractories included alumina, chromic oxide, silica, alumina-silica, zircon, zirconia-alumina-silica and combinations thereof. By using oxide based refractory lined **furnaces** the cost of production of **glass fibers** is substantially reduced in comparison with the cost of **fibers** using a platinum lined **melting furnace**. **Fibers** formed by the present invention are also disclosed.

Classifications:

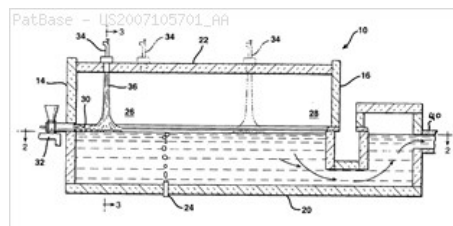
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International (IPC 1-7): C03B3/00 C03C 25/10 C03C 25/26 C03C13/00 C03C13/06 C03C3/00 C08L

CPC: C08K7/14 C03B5/235 C03B5/2356 C03C13/00 C03B5/235 C03B7/06 C03B7/065 C03C3/085 C03C3/087 C03C3/091 F23C5/08 F23M2900/05004 C03C3/112 C03C13/06 C08J5/043 C03B37/04 C03C2213/00 C08J2300/00 C03B2207/60 C03B2211/00 Y02P40/57 Y02P40/55 C03B37/02

European: C03B5/235 C03B5/235B C03B5/43 C03C13/00 C03C3/085 C03C3/087 C03C3/091 F23C5/08 R23M900/05004

US: 264/101 264/101S 264/299 264/299S 264/311 264/311S 416/223 416/230 501/27 501/32 501/32P 501/35 501/35S 501/36 501/36P 501/38 501/38P 501/38S 501/55 501/59 501/65 501/66 501/68 501/69 501/70 524/492 65/335 65/347 65/376 65/454 65/462 65/474 65/474P 65/475 65/482 65/482P 65/482S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHOD FOR THE HEAT PROCESSING OF GLASS AND GLASS FORMING MATERIAL

Abstract: Source: US4617042A A method of producing a glass product requiring minimum fining wherein finely pulverized glass batch material is heated very rapidly in suspension in a hot gas stream to at least about its melting temperature in a heating chamber and directing it through a nozzle to impact on an impact surface in a separation chamber where the glass batch material is separated from the hot gas stream by adhering to the impact surface. Upon impact, the particles and/or molten material form a continuously flowing layer which flows over a flow surface as a molten layer into a pool of molten glass product in a collection zone. The melt flow over the flow surface is controlled to effect the immigration of gas therein to and then leave the exposed surface of the melt flow and simultaneously effect at least substantial reaction of the glass batch material before it reaches the collection zone.

Classifications:

International (IPC 8-9): C03B3/00 C03B3/02 C03B5/12 C03B5/16

C03B5/235 (Advanced/Invention);

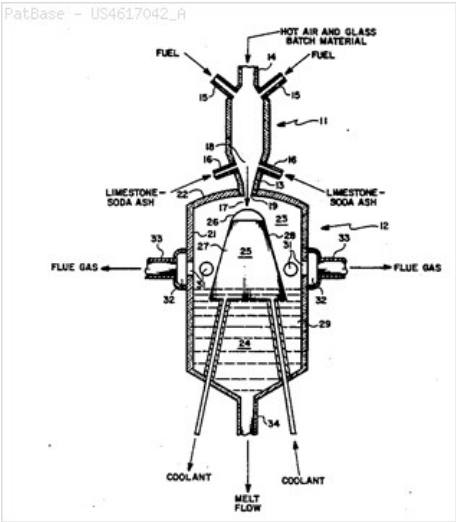
C03B3/00 C03B5/00 (Core/Invention)

International (IPC 1-7): C03B3/00 C03B3/02 C03B5/00 C03B5/12 C03B5/16 C03B5/235

CPC: C03B3/026 C03B3/02 C03B5/12 C03B5/235 Y02P40/52

European: C03B3/02 C03B5/12 C03B5/235

US: 65/134 65/135 65/136.1 65/27 65/29.19 65/335 65/337 65/346 65/347



Family:

Publication number	Publication date	Application number	Application date
AT121710 E	19950515	AT19860124161T	19861003
AT66904 E	19910915	AT19860113737T	19861003
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JP62143829 A2	19870627	JP19860236047	19861003
MX165256 B	19921104	MX19860003920	19861001
US4617042 A	19861014	US19850783964	19851004
US4631080 A	19861223	US19850784188	19851004

Priority:

US19850783964 19851004 US19850784188 19851004 EP19860113737 19861003
CA19860519763 19861003 CA19860519764 19861003

Probable Assignee: GAS RES INST

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Inventor(s): (std): STICKLER DAVID B ; STICKLER DAVID BRUCE ; WESTRA LEONARD F ; WOODROFFE JAIME A ; WOODROFFE JAMIE A

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Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; MITCHELL RICHARD J

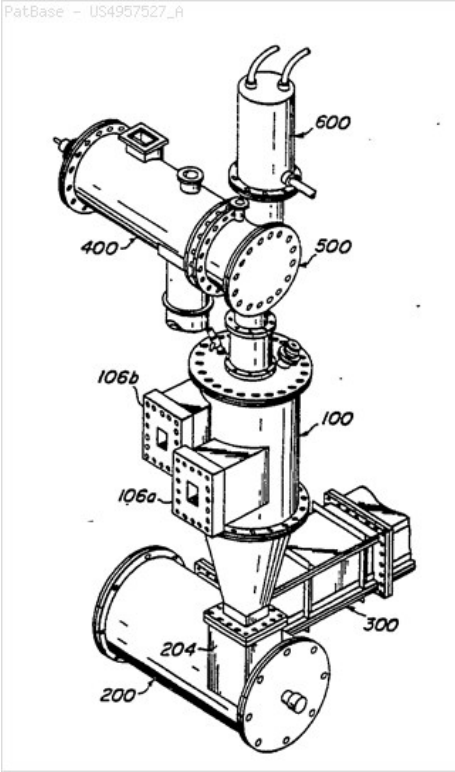
Designated states: AT BE CH DE ES FR GB IT LI NL

Title: **METHOD** AND APPARATUS FOR HEAT PROCESSING **GLASS** BATCH MATERIALS

Abstract: Source: US4957527A An apparatus and **method** are disclosed for processing **glass**-making materials under oxidizing conditions, and for processing materials, such as hazardous or toxic wastes, or smelting under reducing conditions. As a **glass**-making apparatus the invention includes a cyclone **melt** reactor for forming a liquid **glass melt** and a combustion preheater for receiving the **glass**-making materials and combusting the fuel and oxidant therein to heat the **glass** batch materials to a temperature at least equal to the **melt** temperature of the **glass** batch material. The combustion preheater has an outlet connected to the **glass melt** reactor, and at least one inlet is provided into the combustion preheater for introducing oxidizing materials and for creating a well-stirred region within the combustion preheater means. Supplemental heat can be provided by introducing a heated transfer gas into the combustion preheater, and a fuel gasifier can be provided for producing a fuel gas before the fuel gas is injected into the combustion preheater. For processing materials under reducing conditions, the cyclone **melt** reactor is connected to a preheater/reducing chamber and preheated reducing gas is introduced into the reducing chamber in such a manner that a well-stirred region is created within the reducing chamber. Heated transfer gas from a supplemental heat source and reducing gas from a fuel gasifier can also be introduced into the reducing chamber.

Classifications:

International (IPC 8-9): B01D36/04 B01J6/00 B09B3/00 C02F9/00 C03B3/02 C03B5/00 C03B5/12 E04H4/12 F27D13/00 H05H1/24 (Advanced/Invention); B01J6/00 B09B3/00 (Advanced/Non-invention); B01D36/00 B01J6/00 B09B3/00 C02F9/00 C03B3/00 C03B5/00 E04H4/00 F27D13/00 H05H1/24 (Core/Invention)
International (IPC 1-7): B01D36/04 B01J6/00 C02F9/00 C03B3/02 C03B5/18 C03B5/183 C03C C21B7/16 E04H4/12 F27D13/00 H05H1/24
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European: B09B3/00H C03B3/02 C03B5/00B C03B5/12
US: 266/172 266/186 65/134 65/136.1 65/19 65/27 65/335 65/347



Family:

Publication number	Publication date	Application number	Application date
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Priority:
US19890320737 19890308 JP19900503910 19900307 US19900541986 19900621
WO1990US01242 19900307 AU19900052711 19900307

Probable Assignee: HNAT JAMES G
Assignee(s): (std): FU YAOZONG ; HNAT JAMES G ; JAMES HNAT
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Inventor(s): (std): HANT JAMES G ; HNAT JAMES ; HNAT JAMES G ; YAOZONG FU ; XIAOHONG ZHANG ; HUI FU ; JAMES G HNAT ; JAMES HNAT
Inventor(s): ZHANG XIAOHONG ; FU YAOZONG ; FU HUI ; HNAT JAMES G COLLEGEVILLE PA US
Agent(s): GRIFFITH HACK; RIDOUT AND MAYBEE LLP
Designated states: AT AU BE BR CA CH DE DK ES FR GB IT JP KR LI LU NL SE

Title: **METHOD** OF FORMING **GLASS**-CERAMIC PARTS AND/OR **GLASS** PARTS

Abstract: Source: US7000430B The invention relates to a **method** of producing **glass**-ceramic parts and/or **glass** parts by deformation of a **glass**-ceramic blank and/or **glass** blank. The invention is characterized in that forming is carried out using infrared radiation.

Classifications:

International (IPC 8-9): B29C35/08 C03B11/12 C03B23/023 C03B23/025 C03B23/03 C03B23/035 C03B23/037 C03B23/043 C03B23/047 C03B25/02 C03B29/00 C03B29/02 C03B29/08 C03B32/00 C03B32/02 C03B37/027 C03B37/029 C03B5/033 C03B5/235 C03B5/42 C03B9/38 F27B5/08 F27B5/14 H05B3/10 (Advanced/Invention); B29C35/08 C03B23/02 C03B29/00 C03B32/00 C03B37/02 C03B5/00 (Core/Invention)

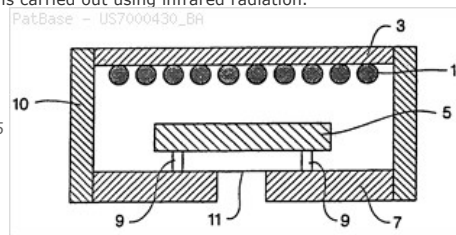
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European: C03B23/025B C03B23/025D C03B23/035B C03B23/035B2 C03B23/035B3

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US: 264/405 65/111 65/273 65/274 65/33.2 65/332



Family:

Publication number	Publication date	Application number	Application date
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US7017370 BA	20060328	US20010936916	20011126
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Priority:

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Probable Assignee: SCHOTT AG

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Assignee(s): CARL ZEISS STIFTUNG ; CARL ZEISS STIFTUNG TRADING AS SCHOTT GLAS ; CARL ZEISS STIFTUNG TRADING AS SCHOTT GLASWERKE ; CARL ZEISS STIFTUNG TRADING SCHOTT GLAS AS ; CARL ZEISS STIFTUNG TRADING SCHOTT GLASWERKE AS ; ULRICH FOTHERINGHAM

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Inventor(s): MARKUS GARSCHKE ANDRES ; MATTHIAS BRINKMANN ; NORBERT GREULICH HICKMANN ; ULRICH FOTHERINGHAM ; ULRICH FOTHERINGHAM HAUKE ESEMANN MARKUS ; ULRICH FOTHERINGHAM HAUKE ESEMANN MARKUS ; ULRICH FOTHERINGHAM HAUKE ESEMANN MARKUS GARSCHKE A ; HUBERTUS BADER ; HAUKE ESEMANN ; GROJLIKH-KHIKMANN NORBERT ; BERND HOPPE ; GARSHE-ANDRES MARKUS ; GERHARD HAHN ; FOTHERINGHAM UL'RIKH

Agent(s): GOWLING LAFLEUR HENDERSON LLP; BAKER AND DANIELS

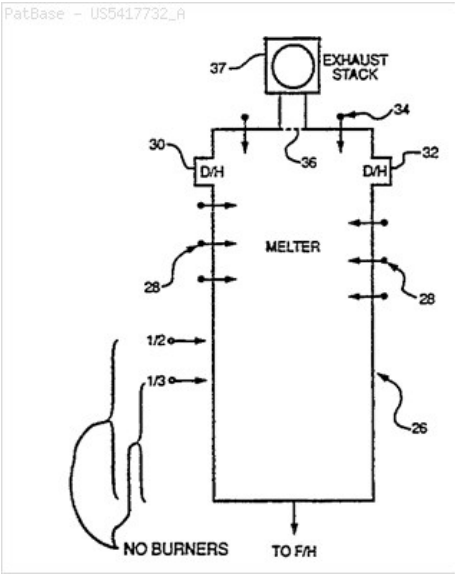
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Title: OXYGEN FIRED GLASS FURNACE WITH BURNERS IN THE UPSTREAM END

Abstract: Source: US5417732A A furnace for melting and refining E glass comprises a melting and refining tank for melting and refining the glass batch materials into glass and a forehearth, downstream of the tank, for further refining the glass and delivering the glass to fiberizing means. The melting and refining tank is heated with oxygen fired burners. The oxygen fired burners in the melting and refining tank are located in the sidewalls at the upstream end of the tank and extend for about one-third the length of the tank. In one embodiment, burners are also located in the upstream end wall. This arrangement of the oxygen fired burners at the upstream end of the melting and refining tank moves the melter hot spot upstream for better refining of the glass and enables the furnace to produce a higher output of glass than can be obtained in a conventional E glass furnace of the same size.

Classifications:

International (IPC 8-9): C03B37/085 C03B5/04 C03B5/225
C03B5/235 (Advanced/Invention);
C03B5/235 (Advanced/Non-invention);
C03B37/00 C03B5/00 (Core/Invention)
International (IPC 1-7): C03B37/085 C03B5/04 C03B5/16 C03B5/20 C03B5/225
C03B5/235
CPC: Y02P40/55 C03B5/04 C03B5/2353
European: C03B5/04 C03B5/235B
US: 432/195 65/134.4 65/135.1 65/335 65/347



Family:

Publication number	Publication date	Application number	Application date
AT155765 E	19970815	AT19930921516T	19930913
CA2123591 AA	19940513	CA19932123591	19930913
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DK0612307 T3	19971027	DK19930921516T	19930913
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GR3024524 T3	19971128	GR19970402167T	19970822
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JP7503228 T2	19950406	JP19940508217T	19930913
KR100272748 B1	20001115	KR19940701643	19940514
KR19940703322 A	19941024	KR19940701643	19940514
US5417732 A	19950523	US19930166651	19931213
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Priority:
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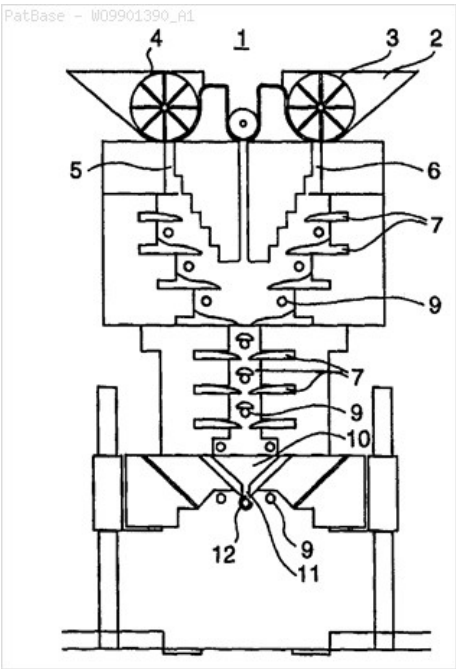
Probable Assignee: JOHNS MANVILLE INT INC
Assignee(s): (std): JOHNS MANVILLE INT INC ; SCHULLER INT INC
Assignee(s): JOHNS MANVILLE INTERNATIONAL INC ; SHURAA INTERN INC ; SCHULLER INTERNATIONAL INC ; SCHULLER INTERNATIONAL INC DENVER COL US ; JOHNS MANVILLE INTERNATIONAL INC DENVER COL US ; STARK THOMAS FOWLER ; SHAMP DONALD ELLSWORTH ; ELLIOTT JACK ROY ; HOWARD LARRY EDWARD
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Agent(s): MACRAE AND CO
Designated states: AT BE CA CH CY DE DK ES FI FR GB GR IE IT JP KR LI LU MC NL PT SE

Title: PROCESSES AND DEVICES FOR PRODUCING GLASS FOILS AND COMPOSITE BODIES PRODUCED THEREFROM

Abstract: A process and device are disclosed for producing glass foils, as well as the glass composite bodies produced therefrom. In order to industrially produce very thin glass foils in large quantities, a viscous, about 1 to 13 mm thick glass layer is continuously made to flow downwards out of the melting furnace, this viscous glass layer is fed by force of gravity to a foil drawing device, in which the already cooling glass layer is reduced by drawing and stretching to a thickness in a range of between 0.05 and 0.6 mm, preferably 0.2 and 0.4 mm, and finally the glass foil reduced to the desired thickness is cooled.

Classifications:

International (IPC 8-9): B32B17/10 C03B11/00 C03B13/01 C03B13/06 C03B13/12 C03B13/14 C03B13/18 C03B17/02 C03B17/04 C03B17/06 C03B19/02 C03B23/203 C03B23/24 C03B5/12 C03B5/173 C03C1/02 C03C17/02 C03C27/08 C03C27/10 C03C27/12 D03D15/00 D03D15/12 D06N3/00 D06N7/00 E04H15/54 (Advanced/Invention); C03C17/02 (Advanced/Non-invention); B32B17/06 C03B13/00 C03B17/00 C03B23/00 C03B5/00 C03C1/00 C03C17/02 C03C27/06 C03C27/10 C03C27/12 D03D15/00 D03D15/12 D06N3/00 D06N7/00 E04H15/32 (Core/Invention) **International (IPC 1-7):** B05D5/06 B32B17/10 B60R13/10 C03B11/00 C03B13/01 C03B13/06 C03B13/12 C03B13/14 C03B13/18 C03B17/0 C03B17/02 C03B17/04 C03B17/06 C03B19/02 C03B23/203 C03B23/24 C03B5/12 C03B5/173 C03B51/73 C03C1/02 C03C12/00 C03C17/02 C03C17/22 C03C27/08 C03C27/10 C03C27/12 C04B41/86 C09D7/12 C09K21/0 C09K21/00 D03D15/0 D03D15/00 D03D15/12 D06N7/0 D06N7/00 E04H15/54 **CPC:** C03B17/061 C03B17/065 C03B19/02 C03B17/062 D03D15/0011 D03D15/12 D06N3/0063 D06N7/0094 D06N2203/066 D06N2205/023 D06N2209/067 D06N2209/0876 D06N2209/123 E04H15/54 Y02P40/57 B32B17/10045 C03B5/12 C03B5/173 C03B13/01 C03B13/06 C03B13/12 C03B13/14 C03B13/183 C03B17/02 C03B17/04 C03B17/06 C03B23/203 C03B23/245 C03C27/08 C03C27/10 **European:** B32B17/10C4B C03B13/01 C03B13/06 C03B13/12 C03B13/14 C03B13/18B C03B17/02 C03B19/04 C03B17/06 C03B17/06B C03B17/06C C03B17/06E C03B23/203 C03B23/24B C03B5/12 C03B5/173 C03C27/08 C03C27/10 D03D15/00B D03D15/12 D06N3/00E6 D06N7/00 E04H15/54



Family:

Publication number	Publication date	Application number	Application date
AT223358 E	20020915	AT19980932119T	19980604
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TR200000027 T2	20000821	TR20000000027T	19980604
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Priority:

DE19971028682 19970704	DE19971032462 19970728	DE19971040163 19970902
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Probable Assignee: LASCHINGER HOLZ GMBH

Assignee(s): (std): SAUER SAROLF ; KLEPSCH CHRISTIAN ; BECKERS KARL HEINZ ; BECKERS LIESELOTTE ; LASCHINGER HOLZ GMBH ; STAR LIGHT GLASS TECHNOLOGY CO ; SAUER SAROLF DR ; STARSHINE GLASTECHNOLOGIE GMBH

Assignee(s): STAR LIGHT GLASS TECHNOLOGY CO LTD ; STARSHINE GLASTECHNOLOGIE GMBH AIGEN VOGLHUB ; SAUER SAROLF DR WIEN AT ; KLEPSCH CHRISTIAN 81371 MUENCHEN DE ; KARL HEINZ BECKERS ; SAROLF SAUER ; LIESELOTTE BECKERS

Inventor(s): (std): KLEPSCH C ; KLEPSCH CHRISTIAN ; SAUER S ; SAUER SAROLF

Inventor(s): KLEPSCH CHRISTIAN 81371 MUENCHEN DE ; C KLEPSCH ; CHRISTIAN KLEPSCH ; S SAUER ; SAROLF SAUER

Agent(s): GRIFFITH HACK

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

Title: **METHOD** AND APPARATUS FOR THE TREATMENT AND RECOVERY OF MINERAL **FIBER** OR **GLASS** WASTE

Abstract: Source: US5156545A The present invention relates to a **method** of treating waste comprising introducing a **glass** or mineral **fiber** substrate (7) contaminated with organic materials into the chamber (1) of a **furnace** by means of a conveyor belt (4), subjecting it to a gas consisting of a neutral gas and between 0 and 10 percent by volume of oxygen, heated to a temperature below the **melting** temperature of the waste substrate in order to pyrolyze the organic materials, and recovering the waste substrate. This **method** has particular application to the recovery of the vitreous material forming the waste substrate, in order to recycle it for use in a **glass melting furnace**.

Classifications:

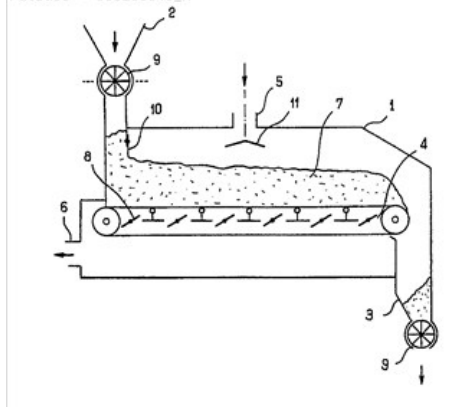
International (IPC 8-9): B09B3/00 C03B32/00 C03B37/10 C03C1/02 C03C23/00 C03C25/00 C03C6/02 C10B49/04 C10B53/00 C10B53/07 (Advanced/Invention); B09B3/00 C03C25/00 (Advanced/Non-invention); B09B3/00 C03B37/10 C03C1/00 C03C25/00 C03C6/00 C10B49/00 C10B53/00 C10B53/07 (Core/Invention)

International (IPC 1-7): B09B3/00 C03B3/02 C03B32/00 C03B37/10 C03C1/00 C03C1/02 C03C23/00 C03C25/00 C03C6/02 C10B53/00 F27B9/10 F27B9/24 F27B9/28 **CPC:** C03B37/10 C03C1/024 C10B49/04 C10B53/00 C10B53/07 Y02P20/143

European: C03B37/10 C03C1/02D C10B49/04 C10B53/00 C10B53/07

US: 432/58 432/59 432/72 432/8

PatBase - US5156545_A



Family:

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AT96162 E	19931115	AT19900402151T	19900726
AU199057826 A1	19910131	AU19900057826	19900626
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US5156545 A	19921020	US19900557776	19900726
US5207572 A	19930504	US19920886836	19920522
ZA9004992 A	19910529	ZA19900004992	19900627

Priority:

FR19890010043 19890726 CA19902021735 19900723 US19900557776 19900726
US19920886836 19920522 EP19900402151 19900726

Probable Assignee: SAINT GOBAIN ISOVER

Assignee(s): (std): SAINT GOBAIN ISOVER

Assignee(s): ISOVER SAINT GOBAIN SA ; BAKX PETRUS JOHANNES HENRICUS DIONISIUS ; DEBLOCK ROGER ; ISOVER SAINT GOBAIN ; ISOVER SAINT GOBAIN ; ISOVER SAINT GOBAIN COURBEVOIE FR ; ISOVER SAINT GOBAIN LES MIROIRS

Inventor(s): (std): BEBLOCK ROGER ; DEBLOCK ROGER ; PETRUS JOHANNES HENRICUS BAKX ; ROGER DEBLOCK ; ROJIE DOBUDOTSUKU ; PETRUS JOHANNES HENRICUS DIONISIUS BAKX ; BAKX PETRUS JOHANNES ; BAKX PETRUS JOHANNES HENRICUS ; M DEBLOCK ROGER ; M BAKX PETRUS JOHANNES ; ROGER M DEBLOCK ; PETRUS J H D BAKX ; JOHANNES M BAKX PETRUS ; BAKX PETRUS J H D ; PETRUS YOHANESU HENRIKUSU DE ; M BAKX PETRUS JOHANNES HENRICU ; BAKX PETRUS JOHANNES HENRICU

Inventor(s): M BAKX PETRUS JOHANNES HENRICUS DION ; DEBLOCK ROGER B 1080 BRUXELLES BE ; M BAKX PETRUS JOHANNES HENRICUS DIONISIUS NL 4873 ; M BAKX PETRUS JOHANNES HENRICUS DIONISIUS NL 4873 GH ETEN LEUR NL ; M BAKX PETRUS JOHANNES HENRICUS DIONISIUS NL ; M BAKX PETRUS JOHANNES HENRICUS DIONISIUS ; BAKX PETRUS JOHANNES HENRICUS DIONISIUS ; PETRUS YOHANESU HENRIKUSU DEIONISHIUSU BAKUSU ; PETRUS JHD BAKX

Agent(s): GRIFFITH HACK ; GOUDREAU GAGE DUBUC

Designated states: AT BE CH DE DK ES FR GB IT LI LU NL SE

Title: **METHOD** OF PRODUCING **FIBERS** BY INTERNAL CENTRIFUGATION AND THE APPLICATION OF THE SAID **METHOD** TO THE DRAWING OUT OF CERTAIN **GLASSES** INTO **FIBERS**

Abstract: Source: US5176729A **Fibers** are drawn out by maintaining a temperature gradient between the interior and exterior walls of the peripheral band of a centrifuge. The peripheral band is made from a material having a thermal conductivity below 20 Wm-1C-1 at 1000 DEG C. Application to the drawing out of **fibers** from **glasses** having a working range less than 100 DEG C. wide.

Classifications:

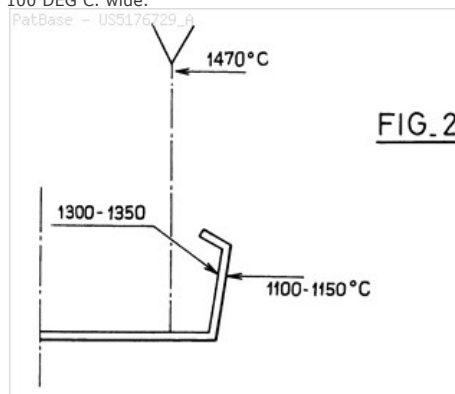
International (IPC 8-9): B29C55/30 C03B37/00 C03B37/04 C03B37/05 C03B37/08 C03B37/095 C22B9/18 D01D5/08 D01D7/02 D01F9/08 (Advanced/Invention); C03B37/00 (Advanced/Non-invention); B29C55/00 C03B37/00 C03B37/04 C22B9/16 D01D5/08 D01D7/00 D01F9/08 (Core/Invention); C03B (Subclass/Invention)

International (IPC 1-7): B29C55/30 C03B37/00 C03B37/04 C03B37/05 C03B37/08 C03B37/095 C03B37/95 C22B9/18 D01D5/08 D01D7/02 D01F9/08

CPC: C03B37/045 C03B37/047

European: C03B37/04 C03B37/04D C03B37/04E C03B37/095

US: 65/470 65/481 65/6 65/8



Family:

Publication number	Publication date	Application number	Application date
AT125521 E	19950815	AT19910402850T	19911025
AU199186058 A1	19920430	AU19910086058	19911023
AU648831 B2	19940505	AU19910086058	19911023
BRPI9104665 A	19920616	BR1991PI04665	19911028
CA2054326 AA	19920430	CA19912054326	19911028
CN1062127 A	19920624	CN19911011133	19911028
CS9103246 A3	19920513	CS19910003246	19911025
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DK0484211 T3	19951218	DK19910402850T	19911025
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EP0484211 B1	19950726	EP19910402850	19911025
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IE913721 A1	19920522	IE19910003721	19911024
IS3771 A7	19920430	IS19910003771	19911017
JP4265247 A2	19920921	JP19910283348	19911029
MX174325 B	19940506	MX19910001827	19911029
MX9101827 A1	19920605	MX19910001827	19911029
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NO914143 A0	19911022	NO19910004143	19911022
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PL292204 A1	19920810	PL19910292204	19911028
RU2053207 C1	19960127	SU19915001966	19911028
SU615689 A1	19850223	SU19772449648	19770208
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ZA9108561 A	19920729	ZA19910008561	19911028

Priority:

SU19772449648 19770208 FR19900013354 19901029 CA19912054326 19911028

Probable Assignee: SAINT GOBAIN ISOVER

Assignee(s): (std): BERNARD JEAN LUC ; BERTHIER GUY ; FURTAK HANS ; SAINT GOBAIN ISOVER ; OPOZDA MICHEL ; IZOVER SEN GOBEN

Assignee(s): ISOVER SAINT GOBAIN FR ; ISOVER SAINT GOBAIN LES MIROIRS ; ISOVER SAINT GOBAIN ; ISOVER SAINT GOBAIN COURBEVOIE FR

Inventor(s): (std): BERNARD J L ; GI BERTÉ ; KHANS FURTAK ; MISHÉL OPOZDA ; OPOZDA M ; MISHIERU OPOZA ; JIYANNRIYUKU BERUNAARU ; HANSU FURUTATSUKU ; GII BERUTEIE ; FURTAK HANS DR ; FURTAK HANS ; FURTAK H ; FURTAK DR HANS ; BERTHIER GUY ING ; OPOZDA MICHEL ; MICHEL OPOZDA ; JEAN LUC BERNARD ; HANS FURTAK ; GUY BERTHIER ; BERTHIER GUY ; BERNARD JEAN LUC ; ZHAN LYUK BERNAR ; BERTHIER G ; BERNARD JEAN LUC ING

Inventor(s): BERNARD JEAN LUC FR ; OPOZDA MICHEL FR ; DR HANS FURTAK ; BERTHIER GUY FR ; FURTAK HANS DE ; OPOZDA MICHEL F 60100 CREIL FR ; BERNARD JEAN LUC GIENCOURT F 60600 CLERMONT FR ; BERTHIER GUY F 60600 CLERMONT FR ; FURTAK HANS DR W SPEYER AM RHEIN DE

Agent(s): GRIFFITH HACK ; GOUDREAU GAGE DUBUC

Designated states: AT BE CH DE DK ES FR GB IT LI LU NL SE

Abstract: Source: GB482532A 482,532. **Glass** manufacture. NAAMLOOZE VENNOOTSCHAP MAATSCHAPPIJ TOT BEHEER EN EXPLOITATIE VAN OCTROOIEN. Dec. 24, 1936. No. 35386. Convention date, Dec. 28, 1935. [Class 56] [Also in Groups XI and XII] A **method** of **melting** and refining **glass** consists in **melting** the batch gradually by localized heat, flowing the molten material over a vertical or steeply inclined surface, and heating the flowing material to such a high temperature that it becomes very fluid and flows over the vertical surface in a thin layer from which seeds or gas bubbles can escape easily. A **furnace**, intended particularly for use in making **glass** wool, comprises a refractory container 10, Fig. 2, within which are electric resistors 14, 15, preferably made of platinum alloy, that **melt** and refine the **glass**. The resistor 14 is provided with a vent 17 and has its lower end open, and it surrounds the resistor 15 which has vertical side and end walls parallel with the adjacent walls of the resistor 14. The side walls of the resistor 15 taper downwards to form a well 18 perforated with openings 20 through which the **glass** may be drawn into **fibres** 23 by a blower 22, as described in Specification 428,720. The resistors are also provided with conducting elements 34, as described in Specification 471,838. In operation, batch 16 is **melted** by heat from the resistor 14, and the molten **glass** passes upwards between the walls of the resistors where it is raised to a high temperature and becomes very fluid. Thence it flows over the top edges of the resistor 15, or through perforations 15a formed **near** the top of the walls, and continues to flow in a thin layer 40 down the inner surfaces of the walls to the well 18. Owing to the fluidity of the **glass** and the thinness of the layer 40, gas bubbles are enabled to escape readily. In a modified construction, the refining element 15, Fig. 4, extends below the floor of the **furnace**. The molten **glass** accumulates and forms a pool 50 whence it flows over the upper edge of the element. In another modification, the pool of **glass** 51, Fig. 5, is supported on a platform 52 parts of which, 53, are inclined downwards to a slot 54. An electric resistor 55, which may be in the form of a flat plate, extends vertically downwards through the slot 54, and the **glass** flows over its surface in a thin layer to form a pool 56 of refined **glass** which can be discharged in any suitable way. The platform 52 may be electrically heated.

International (IPC 8-9): C03B37/09 C03B5/033 C03B5/225 C03B5/26 C08K5/12 (Advanced/Invention)

International (IPC 1-7): C03B37/09 C03B5/225 C08L27/06 C08L27/08 C08L75/04 D01D1/04 D01F6/48 F16G1/28 F24H9/02

CPC: C03B5/0336 C03B5/225 C03B5/26 C08K5/12 C03B37/091

European: C03B37/09C C03B5/033D C03B5/225 C03B5/26 C08K5/12

US: 373/28 373/31 524/288 524/296 524/704 524/770 524/772 524/776 65/134.7 65/135.8 65/136.4 65/346 65/347 65/474 65/498 65/90



Publication number	Publication date	Application number	Application date
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GB713010 A	19540804	GB19510019839	19510823
NL171485 B	00000000		00000000
NL45726 C	19381215		00000000
NL80600 B	00000000		00000000
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US2755259 A	19560717	US19520302632	19520804
USRF21863 F	19410722		00000000

US19350056527 19351228 GB19510019839 19510823

Probable Assignee: DISTILLERS CO YEAST LTD

Assignee(s): (std): DISTILLERS CO YEAST LTD ; MIJ EXPLOITATIE OCTROOIEN NV ; SAINT GOBAIN ; OWENS CORNING FIBERGLASS CORP ; UNIROYAL INC ; UNIROYAL INC TE NEW YORK

Assignee(s): OWENS CORNING FIBERGLAS CORP ; NAAMLOOZE VENNOOTSCHAP MIJ TOT BEHEER EN EXPLOITATIE VAN OCTROOIEN ; NAAMLOOZE VENNOOTSCHAP MIJ TOT BEHEER EN ; ANONYME DES MANUFACTURES DES GLACES ET DE SAINT GOBAIN CHAUNY ET CIREY PROD CHIM SOC ; ANONYME DES MANUFACTURES DES GLACES ET PRO SOC ; DISTILLERS CO LTD

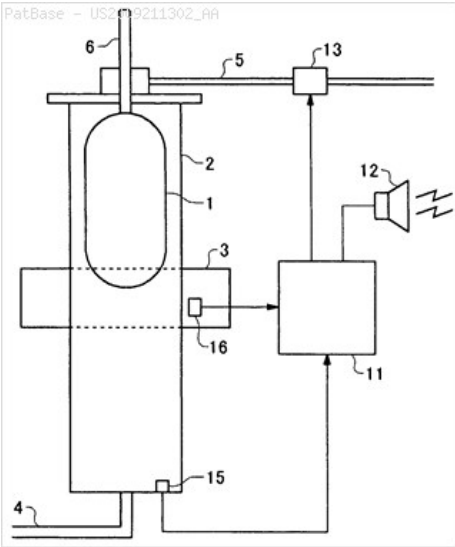
Inventor(s): (std): DILKE MAX HENRY ; DONALD FAULKNER ; FAULKNER DONALD ; GAMES SLAYTER ; HENRY DILKE MAX ; LUSTIGMAN SIDNEY ; SIDNEY MERRY ; SLAYTER GAMES

Inventor(s): MERRY SIDNEY

Title: **METHOD** OF MANUFACTURING OPTICAL **FIBER** BASE MATERIAL AND APPARATUS OF THE SAME

Abstract: Source: US2009211302A A **method** of manufacturing an optical **fiber** base material includes: forming a porous **glass** base material by depositing **glass** particles; providing a vessel which employs a composite tube, the composite tube including a portion formed by jacketing a first quartz **glass** containing aluminum equal to or less than 0.01 ppm with a second quartz **glass** containing aluminum equal to or more than 15 ppm; introducing dehydration reaction gas and inert gas into the vessel; heating the jacketed portion in the vessel which contains the dehydration reaction gas and the inert gas; and inserting the porous **glass** base material into the heated vessel to dehydrate and sinter the porous **glass** base material.

Classifications:
International (IPC 8-9): C03B20/00 C03B37/01 C03B37/012 C03B37/014 C03B37/018 C03B37/029 C03B37/07 C03B37/12 C03B5/235 C03B8/04 (Advanced/Invention); C03B37/01 C03B37/014 C03B37/018 (Advanced/Non-invention); C03B37/00 C03B37/01 C03B37/012 C03B37/014 C03B37/018 C03B37/02 C03B5/00 C03B8/00 (Core/Invention); C03B37/01 C03B37/018 (Core/Non-invention)
International (IPC 1-7): C03B37/014
CPC: C03B37/01446 C03B37/0146
European: C03B37/014D C03B37/014D2
US: 65/379 65/424 65/424P 65/427 65/489 65/489S 65/507 65/507S 65/509 65/509S



Family:

Publication number	Publication date	Application number	Application date
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CN101479204 B	20120613	CN200780024249	20070626
EP2045217 A1	20090408	EP20070767615	20070626
EP2045217 A4	20100324	EP20070767615	20070626
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JP2008031032 A2	20080214	JP20070164421	20070621
JP5046753 B2	20121010	JP20070164421	20070621
KR101084393 B1	20111118	KR20097000473	20090109
KR20090028761 A	20090319	KR20097000473	20090109
US2009211302 AA	20090827	US20080341538	20081222
US8701447 BB	20140422	US20080341538	20081222
WO08001776 A1	20080103	WO2007JP62809	20070626

Priority:
JP20060175708 20060626 JP20070164421 20070621 WO2007JP62809 20070626

Probable Assignee: SHINETSU CHEMICAL CO

Assignee(s): (std): INOUE DAI ; KOIDE HIROYUKI ; NAGAO TAKAAKI ; SHINETSU CHEMICAL CO ; SHIN ETSU EHEMICAL CO LTD
Assignee(s): SHIN ETSU CHEMICAL COMPANY LTD ; SHIN ETSU EHEMICAL CO ; SHIN ETSU CHEM CO LTD ; SHIN ETSU CHEMICAL CO ; SHIN ETSU CHEMICAL CO LTD
Inventor(s): (std): DAI INOUE ; HIROYUKI KOIDE ; INOUE DAI ; INOUE MASARU ; KOIDE HIROYUKI ; NAGAO TAKAAKI ; TAKAAKI NAGAO
Inventor(s): TAKAAKI NAGANO
Agent(s): PFENNING MEINIG AND PARTNER GBR; HOGAN AND HARTSON LLP; PETER J; WILLIAM J; HOGAN LOVELLS US LLP; RYUKA AKIHIRO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW