

Title (en)
DEVICE FOR PRODUCING A GLASS MELT

Title (de)
Vorrichtung zum Herstellen einer Glasschmelze

Title (fr)
DISPOSITIF POUR FABRIQUER UNE MASSE DE VERRE FONDUE

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Application
EP 01933780 A 20010330

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Abstract (en)
[origin: WO0177034A2] The invention relates to a device for producing a glass melt from a glass batch, comprising a melting chamber (1) which has peripheral walls (1.1 - 1.4) and a floor (1.5); a delivery channel (2) which is located under the floor (1.5) of the melting chamber (1) and which is conductively connected to the molten bath (3) by an inlet (2.3), and which has an outlet (2.4) for the finished melt in the area of a peripheral wall (1.1) of the melting chamber (1); and at least one heating device for heating the melting bath (3). The invention is characterised by the following features: the inlet (2.3) of the delivery channel (2) is located in an area of the floor (1.5) of the melting chamber (1); the inlet (2.3) of the delivery channel (2) is located in a central area of the floor (1.5) of the melting chamber (1); and the delivery channel (2) has a cover (2.2) which is located at least approximately at the height of the floor (1.5) of the melting chamber (1).
[origin: WO0177034A2] The device for producing a glass melt from a glass batch has a melting chamber (1), peripheral walls (1.1 - 1.4) and a floor (1.5); a delivery channel (2) which is located under the floor (1.5) of the melting chamber (1), which is conductively connected to the molten bath (3) by an inlet opening (2.3) and which has an outlet opening (2.4) for the finished melt in the area of a peripheral wall (1.1) of the melting chamber (1); and at least one heating device for heating the melting bath (3). The invention is characterised by the following features: the inlet opening (2.3) of the delivery channel (2) is located in a central area of the floor (1.5) of the melting chamber (1); the delivery channel (2) has a cover (2.2) which is located at least approximately at the height of the floor (1.5) of the melting chamber (1), or a cover (4) which covers part of the liquid level (3.1) of the melting bath (3); or is characterised by an additional heating element (5) in the area of the delivery channel (2) or is characterised by a heated vault (20) in the area above the delivery channel (2) and the outlet opening, for forming a blank glass surface (21) where no glass batch is introduced.

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