

Title (en)
GLASS FURNACE AND INSTALLATION COMPRISING SAME

Title (de)
GLASSCHMELZOFEN UND VORRICHTUNG DIE DEN OFEN UMFASST

Title (fr)
FOUR A VERRE ET INSTALLATION COMPRENANT LE FOUR

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Abstract (en)
[origin: WO9905068A1] The invention concerns the technique of electric melting wherein the melting energy is dissipated by Joule effect in the molten glass bath by means of electrodes dipping through the bath surface. The invention is characterised in that the electrodes are immersed into a molten glass bath from a height h less than 800 mm and from a surface S such that the ratio h/S is less than 0.5 m/m<2>. In another embodiment, the exchange surface between the electrodes and the bath is more than 0.075 m<2>/m<3> of glass. The invention is useful for making glass-based products such as fibre glass insulating materials.

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