

Title (en)  
MELTING FURNACE, IN PARTICULAR FOR GLASS, AND USE THEREOF

Title (de)  
SCHMELZOFEN, INSBESONDERE FÜR GLAS, UND SEINE VERWENDUNG

Title (fr)  
FOUR DE FUSION, NOTAMMENT A VERRE, ET SON UTILISATION

Publication  
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Application  
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Priority

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- FR 9806322 A 19980519

Abstract (en)  
[origin: FR2778910A1] A melting furnace has melt-contacting surfaces initially consisting of one or more layers (12, 13) containing refractory material grains (14, 16). Independent claims are also included for the following: (i) a furnace production process comprising applying one or more layers (12, 13) as described above onto the hearth and optionally side wall surfaces, raising the furnace temperature and introducing the material to be melted; and (ii) a method of recovering metal from recycled glass by melting in the above furnace, the hearth layer (13) of which has a refractory material grain particle size allowing permeation of metal (18). Preferred Features: The refractory material grains (14, 16) consist of a material resistant to glass corrosion, especially a material based on chromium oxide or on zirconium, silicon and/or aluminum oxides, and may be contained in a mineral binder (15, 17) and.

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