

Title (en)

Refractory lining for furnaces containing molten metal

Title (de)

Feuerfest-Ausmauerung für Flüssig-Metall enthaltende Öfen

Title (fr)

Garnissage réfractaire pour des fours contenant du métal en fusion

Publication

EP 1139049 B1 20041222 (FR)

Application

EP 01470006 A 20010315

Priority

FR 0004006 A 20000330

Abstract (en)

[origin: EP1139049A1] A refractory lining for a furnace containing molten metal, having a face plated to the inside of the steel plate wall of the furnace and a face in contact with the molten metal, comprises a first assembly of an insulating layer (1), a highly insulating layer (2) and a metal side and a second assembly of one or more dense layers (5) non-wettable by the molten metal. Between these two assemblies it incorporates at least one insulating or non-insulating refractory layer (3) strengthened by a reinforcing medium. By preference the reinforcing medium is a metallic or non-metallic lattice or reinforcing fibres. An Independent claim is included for a furnace incorporating such a refractory lining.

IPC 1-7

F27D 1/16

IPC 8 full level

F27D 1/16 (2006.01)

CPC (source: EP)

F27D 1/16 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1139049 A1 20011004; EP 1139049 B1 20041222; AT E285556 T1 20050115; DE 60107892 D1 20050127; FR 2807151 A1 20011005; FR 2807151 B1 20020913

DOCDB simple family (application)

EP 01470006 A 20010315; AT 01470006 T 20010315; DE 60107892 T 20010315; FR 0004006 A 20000330