

Title (en)

INSTALLATION AND PROCESS FOR MELTING METALS OR MAINTAINING THEM IN A MOLTEN STATE BY MEANS OF AN ELECTRICAL IMMERSION RESISTOR HEATER

Publication

EP 0037788 B1 19850130 (FR)

Application

EP 81400564 A 19810409

Priority

FR 8007966 A 19800409

Abstract (en)

[origin: EP0037788A1] 1. Installation for melting aluminium or aluminium alloys or for keeping them in a molten state, comprising a container for molten aluminium and an electric circuit with an element immersed in the aluminium, this element consisting of a material with a higher melting point than aluminium, characterised in that the element consists of silicon carbide or graphite and the circuit is operated at a low voltage of about 5 to 15 volts.

IPC 1-7

F27B 14/06; H05B 3/64

IPC 8 full level

F27B 14/06 (2006.01); **H05B 3/64** (2006.01); **F27D 21/00** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP)

F27B 14/06 (2013.01); **H05B 3/64** (2013.01); **F27D 21/0014** (2013.01); **F27D 2099/0013** (2013.01)

Cited by

EP0200671A3; US6451248B1

Designated contracting state (EPC)

AT BE CH DE GB IT LI NL SE

DOCDB simple family (publication)

EP 0037788 A1 19811014; **EP 0037788 B1 19850130**; AT E11594 T1 19850215; DE 3168580 D1 19850314; FR 2480419 A1 19811016; FR 2480419 B1 19850201

DOCDB simple family (application)

EP 81400564 A 19810409; AT 81400564 T 19810409; DE 3168580 T 19810409; FR 8007966 A 19800409