

Title (en)  
Rotary drum melting furnace

Title (de)  
Drehschmelzofen

Title (fr)  
Four de fusion tournant

Publication  
**EP 0760456 B1 20000628 (FR)**

Application  
**EP 96401717 A 19960801**

Priority  
FR 9509462 A 19950803

Abstract (en)  
[origin: CA2181533A1] This rotary melting furnace, where the material to be melted, thrust by centrifugal forces against the cylindrical wall of the enclosure (1), protects it by an auto-crucible effect from the heat emitted by a central source (6, 46), comprises a unitary enclosure and a common cooling circuit, in principle hollowed out from the shell (2) and flanges (3, 4). Its parts can be connected by external connecting pipes (29, 30, 36, 37). Circular, distribution and collecting grooves (58, 59), into which issue fixed ducts (10, 11) ensure a continuous circulation.

IPC 1-7  
**F27B 7/20**; **F27B 7/38**

IPC 8 full level  
**F27B 7/20** (2006.01); **F27B 7/38** (2006.01)

CPC (source: EP KR US)  
**F27B 7/00** (2013.01 - KR); **F27B 7/2083** (2013.01 - EP US); **F27B 7/38** (2013.01 - EP US)

Designated contracting state (EPC)  
BE CH DE GB IT LI

DOCDB simple family (publication)  
**FR 2737554 A1 19970207**; **FR 2737554 B1 19970829**; CA 2181533 A1 19970204; DE 69609022 D1 20000803; DE 69609022 T2 20010222; EP 0760456 A1 19970305; EP 0760456 B1 20000628; JP H09119778 A 19970506; KR 100436176 B1 20041106; KR 970011766 A 19970327; US 5711664 A 19980127

DOCDB simple family (application)  
**FR 9509462 A 19950803**; CA 2181533 A 19960718; DE 69609022 T 19960801; EP 96401717 A 19960801; JP 20601596 A 19960805; KR 19960031513 A 19960730; US 68106296 A 19960722