

Title (en)

PROTECTIVE LINING FOR THE INTERIOR OF A METALLURGICAL VESSEL, AND PROCESS FOR MAKING THE LINING

Publication

**EP 0214882 B1 19890215 (FR)**

Application

**EP 86401649 A 19860723**

Priority

FR 8511327 A 19850724

Abstract (en)

[origin: ES2001336A6] An internal lining for protecting the permanent refractory lining of a metallurgical vessel (1, 2) such as a tundish, casting ladle or slag pot has a base of refractory inorganic particles coated with a binder. The protective internal lining is constituted by at least two layers, namely an inner layer (3) which sinters throughout its mass under the action of heat of the molten metal contained in the metallurgical vessel, and a layer (4 or 5) which does not sinter at all or sinters only to a partial extent in order to remain friable even when the inner layer (3) has completely sintered.

IPC 1-7

**B22D 41/02**

IPC 8 full level

**B22D 41/02** (2006.01)

CPC (source: EP US)

**B22D 41/02** (2013.01 - EP US)

Cited by

FR2657549A1; FR2717720A1; FR2732915A1; DE4240287C1; FR2646367A1; US5160692A; DE10052352A1; DE10052352B4; CN102062540A; US6803336B1; WO9525610A1; WO9012666A1; WO9200157A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0214882 A1 19870318; EP 0214882 B1 19890215; EP 0214882 B2 19970924;** AT E40804 T1 19890315; AU 586519 B2 19890713; AU 6565286 A 19880526; CA 1266776 A 19900320; DE 3662086 D1 19890323; ES 2001336 A6 19880516; FR 2585273 A1 19870130; FR 2585273 B1 19880513; MY 101458 A 19911118; US 4799652 A 19890124; ZA 865500 B 19870325

DOCDB simple family (application)

**EP 86401649 A 19860723;** AT 86401649 T 19860723; AU 6565286 A 19861125; CA 514349 A 19860722; DE 3662086 T 19860723; ES 8600521 A 19860723; FR 8511327 A 19850724; MY PI19872284 A 19870929; US 88848486 A 19860723; ZA 865500 A 19860723