

Title (en)

STOPPER FOR A METALLURGICAL MELTING POT

Title (de)

VERSCHLUSSSTOPFEN FÜR EIN METALLURGISCHES SCHMELZGEFÄSS

Title (fr)

BOUCHON DE FERMETURE POUR CUVE DE FUSION MÉTALLURGIQUE

Publication

EP 1893371 B1 20090805 (DE)

Application

EP 06761977 A 20060614

Priority

- EP 2006005395 W 20060614
- DE 102005029033 A 20050621

Abstract (en)

[origin: DE102005029033B4] The stopper has a rod like shape (10) made from a fireproof ceramic material, with an upper end and a lower end (14). The first end extends axially to an opening (12) in the direction of the second end. A gas discharge opening channel (20) connects to the opening with an upper surface-cut off within range of the second end of the body. The opening channel has a flat cross section being smaller than the flat cross section of the opening. Over a part of the opening, in axial direction of the body, a gas channel (26) extends which connects the opening with the opening channel.

IPC 8 full level

B22D 41/18 (2006.01)

CPC (source: EP US)

B22D 41/186 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2010044402 A1 20100225; US 7910050 B2 20110322; AT E438472 T1 20090815; BR PI0612520 A2 20101123; CN 101203342 A 20080618; CN 101203342 B 20101124; DE 102005029033 A1 20061228; DE 102005029033 B4 20071011; DE 502006004455 D1 20090917; EP 1893371 A2 20080305; EP 1893371 B1 20090805; ES 2328957 T3 20091119; PL 1893371 T3 20091130; RU 2007145936 A 20090727; RU 2384387 C2 20100320; UA 87754 C2 20090810; WO 2006136285 A2 20061228; WO 2006136285 A3 20070315

DOCDB simple family (application)

US 91674306 A 20060614; AT 06761977 T 20060614; BR PI0612520 A 20060614; CN 200680022411 A 20060614; DE 102005029033 A 20050621; DE 502006004455 T 20060614; EP 06761977 A 20060614; EP 2006005395 W 20060614; ES 06761977 T 20060614; PL 06761977 T 20060614; RU 2007145936 A 20060614; UA A200713914 A 20060614