

Title (en)

METHODS AND FACILITIES FOR SUPPRESSING VORTICES ARISING IN TUNDISHES OR LADLES DURING THEIR RESPECTIVE DISCHARGE

Title (de)

VERFAHREN UND EINRICHTUNGEN ZUR VERHINDERUNG VON WIRBELN IN GIESSWANNEN UND GIESSTIEGELN BEI IHRER JEWEILIGEN ENTLEERUNG

Title (fr)

PROCEDES ET INSTALLATIONS DE SUPPRESSION DES TOURBILLONS APPARAISSANT DANS DES PANIERS REPARTITEURS OU DES POCES DE COULEE PENDANT LEUR DECHARGEMENT RESPECTIF

Publication

EP 1791665 A1 20070606 (EN)

Application

EP 05795170 A 20050913

Priority

- US 2005032922 W 20050913
- US 60969704 P 20040913

Abstract (en)

[origin: WO2006031964A1] A method is provided for suppressing a vortex arising in a tundish or ladle at the lowering of the free surface of the melt below a critical level using a rotating magnetic field excited in the melt above an outflow pipe by an RMF inductor of a special design.

IPC 8 full level

B22D 41/50 (2006.01); **B22D 41/08** (2006.01); **B22D 41/62** (2006.01)

CPC (source: EP KR US)

B22D 11/10 (2013.01 - KR); **B22D 41/08** (2013.01 - EP KR US); **B22D 41/507** (2013.01 - EP KR US); **B22D 41/62** (2013.01 - EP KR US); **B22D 43/001** (2013.01 - EP KR US); **C21C 5/4653** (2013.01 - KR); **C21C 5/4653** (2013.01 - EP US)

Citation (search report)

See references of WO 2006031964A1

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)

WO 2006031964 A1 20060323; BR PI0515178 A 20080708; CA 2580166 A1 20060323; CN 101039768 A 20070919; EP 1791665 A1 20070606; JP 2008513214 A 20080501; KR 20070052343 A 20070521; US 2006131795 A1 20060622

DOCDB simple family (application)

US 2005032922 W 20050913; BR PI0515178 A 20050913; CA 2580166 A 20050913; CN 200580034740 A 20050913; EP 05795170 A 20050913; JP 2007531477 A 20050913; KR 20077008110 A 20070410; US 22671105 A 20050913