

Title (en)

METHOD AND DEVICE FOR TAPPING MOLTEN METAL FROM METALLURGICAL VESSELS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ABSTECHEN VON METALLSCHMELZEN AUS METALLURGISCHEN SCHMELZGEFÄSSEN

Title (fr)

PROCEDE ET DISPOSITIF POUR FAIRE COULER UNE MATIERE FONDUE METALLIQUE CONTENUE DANS DES CUVES METALLURGIQUES

Publication

EP 1183397 A1 20020306 (DE)

Application

EP 00926821 A 20000406

Priority

- DE 19916232 A 19990410
- EP 0003064 W 20000406

Abstract (en)

[origin: WO0061823A1] In order to impede entrainment or trailing of molten slag (1) while tapping molten metal (2) from a metallurgical vessel (5) having a tap hole (1) in the bottom (13) of said vessel, the molten slag (1) is blown away from the surface of the molten metal in the area of the tap hole (10) (2) by a gas jet (9) with high impulsive energy.

IPC 1-7

C21C 5/46

IPC 8 full level

B22D 41/06 (2006.01); **B22D 43/00** (2006.01); **C21C 5/46** (2006.01); **C21C 5/52** (2006.01); **C21C 7/00** (2006.01); **F27B 3/19** (2006.01); **F27B 3/22** (2006.01); **F27B 3/28** (2006.01); **F27D 3/14** (2006.01); **F27D 3/15** (2006.01); **F27D 3/16** (2006.01); **F27D 11/08** (2006.01)

CPC (source: EP)

C21C 5/4693 (2013.01)

Citation (search report)

See references of WO 0061823A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0061823 A1 20001019; **WO 0061823 B1 20010201**; AT E230802 T1 20030115; BR 0009418 A 20020102; CA 2366193 A1 20001019; DE 19916232 A1 20001012; DE 50001056 D1 20030213; EP 1183397 A1 20020306; EP 1183397 B1 20030108; ES 2190964 T3 20030901; JP 2002541329 A 20021203; MX PA01010238 A 20020506; SK 14382001 A3 20020910; TR 200102932 T2 20020521; TW 538127 B 20030621

DOCDB simple family (application)

EP 0003064 W 20000406; AT 00926821 T 20000406; BR 0009418 A 20000406; CA 2366193 A 20000406; DE 19916232 A 19990410; DE 50001056 T 20000406; EP 00926821 A 20000406; ES 00926821 T 20000406; JP 2000610871 A 20000406; MX PA01010238 A 20000406; SK 14382001 A 20000406; TR 200102932 T 20000406; TW 89106526 A 20000408