

Title (en)

METHOD AND DEVICE FOR EMPTYING METALLURGIC MELTING VESSELS BY TIPPING

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ENTLEEREN VON METALLURGISCHEN SCHMELZGEFÄSSEN DURCH KIPPEN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE VIDER DES RECIPIENTS DE FUSION METALLURGIQUES PAR BASCULEMENT

Publication

EP 1196728 A1 20020417 (DE)

Application

EP 00945702 A 20000605

Priority

- DE 19925550 A 19990604
- EP 0005089 W 20000605

Abstract (en)

[origin: US6660219B1] The invention relates to the emptying of melting vessels (1) by tipping. According to the invention, the melting vessel (1) is placed on column-shaped bases (6). During the tipping process, the melting vessel (1) is raised at the side and the base supports (7) of the opposite side are used as the pivot or axis of rotation. This ensures that the discharge opening (4) and the slag overflow edge (5) are not moved very far from their original position.

IPC 1-7

F27B 3/06; **F27B 3/19**

IPC 8 full level

B22D 41/06 (2006.01); **B22D 43/00** (2006.01); **F27B 3/06** (2006.01); **F27B 3/08** (2006.01); **F27B 3/19** (2006.01); **F27B 14/18** (2006.01); **F27D 3/14** (2006.01)

CPC (source: EP KR US)

F27B 3/06 (2013.01 - KR); **F27B 3/065** (2013.01 - EP US); **F27B 3/08** (2013.01 - EP US); **F27B 3/19** (2013.01 - EP US)

Citation (search report)

See references of WO 0075587A1

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)

US 6660219 B1 20031209; AT E249022 T1 20030915; BR 0011316 A 20020423; CA 2373038 A1 20001214; CN 1145006 C 20040407; CN 1353805 A 20020612; DE 19925550 A1 20001207; DE 50003560 D1 20031009; EG 22082 A 20020731; EP 1196728 A1 20020417; EP 1196728 B1 20030903; ES 2206271 T3 20040516; JP 2003501611 A 20030114; KR 20020016821 A 20020306; MX PA01012410 A 20020730; PL 352108 A1 20030728; TR 200103502 T2 20020521; TW 451047 B 20010821; WO 0075587 A1 20001214; ZA 200110292 B 20021010

DOCDB simple family (application)

US 98024502 A 20020228; AT 00945702 T 20000605; BR 0011316 A 20000605; CA 2373038 A 20000605; CN 00808402 A 20000605; DE 19925550 A 19990604; DE 50003560 T 20000605; EG 20000730 A 20000603; EP 0005089 W 20000605; EP 00945702 A 20000605; ES 00945702 T 20000605; JP 2001501824 A 20000605; KR 20017015607 A 20011204; MX PA01012410 A 20000605; PL 35210800 A 20000605; TR 200103502 T 20000605; TW 89110857 A 20000613; ZA 200110292 A 20011214