

Title (en)

TILTING METALLURGICAL UNIT COMPRISING SEVERAL VESSELS

Title (de)

KIPPBARES METALLURGISCHES AGGREGAT BESTEHEND AUS MEHREREN GEFÄSSEN

Title (fr)

UNITE METALLURGIQUE BASCULANTE CONSTITUEE DE PLUSIEURS RECIPIENTS

Publication

EP 0799323 B1 19990915 (DE)

Application

EP 95942719 A 19951221

Priority

- DE 4445783 A 19941221
- EP 9505072 W 19951221

Abstract (en)

[origin: US5882578A] PCT No. PCT/EP95/05072 Sec. 371 Date Sep. 11, 1997 Sec. 102(e) Date Sep. 11, 1997 PCT Filed Dec. 21, 1995 PCT Pub. No. WO96/19592 PCT Pub. Date Jun. 27, 1996A metallurgical unit for smelting metal charge material and for post-treatment of the molten metal, which is tiltable from a starting position in a positive tilting direction (8) about a tilt axis (7), includes a melting vessel (1), with a furnace hearth (12) for receiving the molten metal (13), and a treatment vessel (2) disposed laterally on the melting vessel for metallurgical treatment of the molten metal. The molten metal (13) which flows away out of the melting vessel (1) upon tilting of the unit in the positive direction (8) can be transferred into the treatment vessel (2) by way of a passage (26) connecting the furnace hearth of the melting vessel (1) to the receiving chamber of the treatment vessel (2).

IPC 1-7

C21C 5/52; **F27D 3/15**; **F27B 3/19**

IPC 8 full level

C21C 5/52 (2006.01); **F27B 3/04** (2006.01); **F27B 3/06** (2006.01); **F27B 3/18** (2006.01); **F27B 3/19** (2006.01); **F27D 3/15** (2006.01); **F27B 3/08** (2006.01)

CPC (source: EP US)

C21C 5/5252 (2013.01 - EP US); **F27B 3/04** (2013.01 - EP US); **F27B 3/065** (2013.01 - EP US); **F27B 3/186** (2013.01 - EP US); **F27B 3/19** (2013.01 - EP US); **F27D 3/1509** (2013.01 - EP US); **F27B 3/085** (2013.01 - EP US)

Citation (examination)

JP H02290912 A 19901130 - DAIDO STEEL CO LTD

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)

US 5882578 A 19990316; AT E184656 T1 19991015; AU 4388796 A 19960710; BR 9510171 A 19971014; CA 2208229 A1 19960627; CN 1043245 C 19990505; CN 1171136 A 19980121; DE 4445783 A1 19960627; DE 59506858 D1 19991021; DK 0799323 T3 19991220; EP 0799323 A1 19971008; EP 0799323 B1 19990915; ES 2135787 T3 19991101; GR 3031565 T3 20000131; JP H10510880 A 19981020; WO 9619592 A1 19960627

DOCDB simple family (application)

US 84948497 A 19970911; AT 95942719 T 19951221; AU 4388796 A 19951221; BR 9510171 A 19951221; CA 2208229 A 19951221; CN 95197022 A 19951221; DE 4445783 A 19941221; DE 59506858 T 19951221; DK 95942719 T 19951221; EP 9505072 W 19951221; EP 95942719 A 19951221; ES 95942719 T 19951221; GR 990402659 T 19991018; JP 51952096 A 19951221