

Title (en)

Apparatus for exchanging a pouring tube on a metallurgical vessel

Title (de)

Einrichtung zum Wechseln eines Giessrohres an einem metallurgischen Gefäß

Title (fr)

Dispositif pour échanger un tube de coulée d'un récipient métallurgique

Publication

EP 0468363 B1 19960320 (DE)

Application

EP 91112004 A 19910718

Priority

DE 4023484 A 19900724

Abstract (en)

[origin: EP0468363A1] The invention relates to an apparatus for exchanging a pouring tube (1) on a metallurgical vessel (2), in which the refractory pouring tube (1) can be placed with a top plate (3) on sliding rails (5), which are arranged on the base (4) of the pouring vessel (2) and are spring-loaded at least in some areas, and is displaceable by means of a drive assembly (6) into a pouring position, in which the top plate of the pouring tube rests sealingly in the region of the discharge opening of the vessel, and in which the spent pouring tube (1") is transferrable by the top plate into a removal position. By displacement of the pouring tube with the top plate, the intention is to allow adjustment of the maximum metal flow through the discharge opening of the vessel, preferably down to zero. <IMAGE>

IPC 1-7

B22D 41/56; **B22D 41/38**

IPC 8 full level

B22D 11/10 (2006.01); **B22D 41/38** (2006.01); **B22D 41/56** (2006.01)

CPC (source: EP US)

B22D 41/38 (2013.01 - EP US); **B22D 41/56** (2013.01 - EP US)

Cited by

WO2009127420A1; EP1671722A1; CN102791403A; EP0835706A1; US5879579A; FR2742684A1; CN1072075C; US9027802B2; WO2006067038A1; WO9724201A1; WO2011047799A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0468363 A1 19920129; **EP 0468363 B1 19960320**; AT E135612 T1 19960415; CN 1058360 A 19920205; DE 4023484 A1 19920206; DE 4023484 C2 19921001; DE 59107566 D1 19960425; EP 0646432 A2 19950405; EP 0646432 A3 19961204; JP H05237609 A 19930917; US 5173199 A 19921222; ZA 915816 B 19920429

DOCDB simple family (application)

EP 91112004 A 19910718; AT 91112004 T 19910718; CN 91104892 A 19910720; DE 4023484 A 19900724; DE 59107566 T 19910718; EP 94120190 A 19910718; JP 26813891 A 19910718; US 73524491 A 19910724; ZA 915816 A 19910724