Title (en)

TRANSFER CAR FOR METALLURGICAL TRANSFER VESSELS

Publication

EP 0328510 A3 19900822 (DE)

Application

EP 89890031 A 19890201

Priority

DE 3804071 A 19880210

Abstract (en)

[origin: EP0328510A2] In a transfer car for metallurgical transfer vessels (13), a tilting frame (9) which can be tilted relative to a travelling frame (1) by means of an actuating device (16) is provided. In order to ensure a large horizontal travel (24) of the pouring spout (23) of the transfer vessel (13) when tilting the tilting frame (9), while tilting through only a small angle, and in order to be able to carry out tilting with a small expenditure of force, the tilting frame (9) has two mutually parallel side cheeks (10) which, on their underside, each have a convex rolling track (11), each of which rests on a corresponding rolling track (12) arranged on the travelling frame (1) and extending approximately horizontally, the ratio of the distance (a) between the centre of the transfer car and the maximum achievable tilting position of a pouring spout (23) of the metallurgical transfer vessel (13) to the radius (r) of curvature of the rolling tracks (11) of the side cheeks (10) being between 1.5 and 3.5 (Fig. 1). <IMAGE>

IPC 1-7

B22D 41/06; B22D 41/12

IPC 8 full level

B61D 9/02 (2006.01); **B22D 41/06** (2006.01); **B22D 41/12** (2006.01); **B60P 1/04** (2006.01)

CPC (source: EP)

B22D 41/06 (2013.01); **B22D 41/12** (2013.01)

Citation (search report)

- [A] DE 1271914 B 19680704 - GUTEHOFFNUNGSHUETTE STERKRADE
- [A] DE 2844286 A1 19800410 - BBC BROWN BOVERI & CIE
- [AD] US 3858672 A 19750107 - MROZEK JOHN W, et al
- [AD] DE 2439526 A1 19750710
- [AD] DE 1804007 A1 19700604 - DEMAG ELEKTROMETALLURGIE GMBH

Cited by

EP1862559A1; CN115415497A; CN1050553C; CN103357859A; US7662337B2; WO9600799A1

Designated contracting state (EPC)

BE CH ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0328510 A2 19890816; **EP 0328510 A3 19900822**; **EP 0328510 B1 19920805**; CN 1013082 B 19910710; CN 1037101 A 19891115; DE 3804071 A1 19890824; DE 3804071 C2 19900823; ES 2034767 T3 19930401; JP H01244960 A 19890929; RU 1820882 C 19930607; TR 24278 A 19910729

DOCDB simple family (application)

EP 89890031 A 19890201; CN 89101998 A 19890209; DE 3804071 A 19880210; ES 89890031 T 19890201; JP 3090489 A 19890208; SU 4613402 A 19890209; TR 11389 A 19890203