

Title (en)

DEVICE FOR CLEANING CONVEYING CHANNELS WITH A REFRACTORY COATING

Publication

EP 0429487 B1 19930428 (DE)

Application

EP 89908811 A 19890801

Priority

DE 3827401 A 19880812

Abstract (en)

[origin: WO9001666A1] A known device for cleaning conveying channels with a refractory coating for molten metals and slags, for example in blast furnaces, comprises a frame guided on two rails and mobile longitudinally above the conveying channel. According to the invention, one easily dismountable guide rail (20) is arranged on one side only of the conveying channel (3) and the mobile frame (5) has, on the side nearer the guide rail (20), two wheels (21) driven by motors (29) and two pairs of lateral guiding wheels (22) and, on the side farther from the guide rail (20), a free support roller (23). As a result of this arrangement, unevennesses of the floor in the vicinity of the conveying channel do not affect the guiding of the device parallel to the centre of the channel. The device and the rail can be removed after the operation, thus eliminating the risk of accidents due to the guide rail (20) when the channel is in use.

IPC 1-7

F27D 23/02

IPC 8 full level

B22D 43/00 (2006.01); **F27D 3/14** (2006.01); **F27D 25/00** (2010.01)

CPC (source: EP US)

F27D 25/001 (2013.01 - EP US); **F27D 3/145** (2013.01 - EP US)

Cited by

DE10131646A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9001666 A1 19900222; DE 3827401 A1 19900215; DE 58904233 D1 19930603; EP 0429487 A1 19910605; EP 0429487 B1 19930428; HU 208374 B 19930928; HU 894639 D0 19910628; HU T56181 A 19910729; JP 2761270 B2 19980604; JP H04500554 A 19920130; US 5044612 A 19910903; ZA 895815 B 19900425

DOCDB simple family (application)

DE 8900503 W 19890801; DE 3827401 A 19880812; DE 58904233 T 19890801; EP 89908811 A 19890801; HU 463989 A 19890801; JP 50833189 A 19890801; US 54654690 A 19900629; ZA 895815 A 19890731