

Title (en)

DEVICE FOR COATING METAL BARS BY HOT DIPPING

Title (de)

VORRICHTUNG ZUR SCHMELZTAUCHBESCHICHTUNG VON METALLSTRÄNGEN

Title (fr)

DISPOSITIF DE REVETEMENT DE BARRES METALLIQUES PAR IMMERSION A CHAUD

Publication

EP 1478788 B1 20051214 (DE)

Application

EP 03702565 A 20030130

Priority

- DE 10208963 A 20020228
- EP 0300916 W 20030130

Abstract (en)

[origin: WO03072843A1] The invention relates to a device for coating metal bars (1), particularly steel strips, by hot dipping. At least some sections of the metal bar (1) are vertically guided through a container receiving the molten coating metal (2), said metal bar (1) being guided by at least one roller (4) which runs on bearings. In order to increase the service life of the roller bearings, the roller, or at least the axis (5) thereof, penetrates the side walls (6) of the container (3) and is mounted outside the container (3).

IPC 1-7

C23C 2/00

IPC 8 full level

C23C 2/00 (2006.01); **C23C 2/24** (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP KR US)

C23C 2/00 (2013.01 - EP US); **C23C 2/00362** (2022.08 - KR); **C23C 2/24** (2013.01 - EP KR US); **C23C 2/40** (2013.01 - KR)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

WO 03072843 A1 20030904; AT E312953 T1 20051215; AU 2003205709 A1 20030909; BR 0306500 A 20041123; CA 2477275 A1 20030904; CN 100350067 C 20071121; CN 1639374 A 20050713; DE 10208963 A1 20030911; DE 50301921 D1 20060119; EP 1478788 A1 20041124; EP 1478788 B1 20051214; ES 2253657 T3 20060601; JP 2005528520 A 20050922; KR 20040089085 A 20041020; MX PA04008250 A 20050713; PL 205282 B1 20100331; PL 371497 A1 20050627; RS 76004 A 20061027; RU 2004128949 A 20050410; RU 2299925 C2 20070527; UA 79109 C2 20070525; US 2005120950 A1 20050609; US 7214272 B2 20070508

DOCDB simple family (application)

EP 0300916 W 20030130; AT 03702565 T 20030130; AU 2003205709 A 20030130; BR 0306500 A 20030130; CA 2477275 A 20030130; CN 03804910 A 20030130; DE 10208963 A 20020228; DE 50301921 T 20030130; EP 03702565 A 20030130; ES 03702565 T 20030130; JP 2003571521 A 20030130; KR 20047008335 A 20030130; MX PA04008250 A 20030130; PL 37149703 A 20030130; RU 2004128949 A 20030130; UA 20040907838 A 20030130; US 50067604 A 20040703; YU P76004 A 20030131