

Title (en)
DEVICE FOR INSTALLING A BOTTOM ROLLER IN A GALVANISING TANK USED FOR THE GALVANISATION OF A CONTINUOUSLY-MOVING STEEL STRIP

Title (de)
VORRICHTUNG ZUM INSTALLIEREN EINER BODENWALZE IN EINEM ZUR GALVANISIERUNG EINES SICH KONTINUIERLICH BEWEGENDEN STAHLBANDS VERWENDETEN GALVANISIERUNGSTANK

Title (fr)
DISPOSITIF DE MISE EN PLACE D'UN ROULEAU DE FOND DANS UN BAIN DE GALVANISATION DE BANDE D'ACIER EN DÉFILEMENT CONTINU

Publication
EP 2300629 A1 20110330 (FR)

Application
EP 08875604 A 20080721

Priority
FR 2008001075 W 20080721

Abstract (en)
[origin: WO2010010236A1] The invention relates to a device for installing at least one roller in a liquid zinc bath in a galvanising line used for the galvanisation of a continuously-moving steel strip (B), comprising a beam (117) to which a first pair of arms (1132) is attached, said first pair of arms (1132) bearing a bottom roller (113). The aforementioned bottom roller is intended to be submerged in the liquid zinc bath (112) towards a bottom roller operation position (P1), relative to the naturally submerged position (P2) of the bottom roller, by means of a movement provided together with a first cylindrical bearing (1171) supporting the first pair of arms, said first cylindrical bearing (1171) being attached to each of the two ends of the beam (117). The invention is characterised by: (a) a second cylindrical bearing (1172) attached to each of the two ends of the beam (117) and separate from the first cylindrical bearing (1171) on the same beam end section (117); and (b) a push device (11614) which interacts with at least one of the first and second cylindrical bearings (1171, 1172) such that, in the operation position, the first and second cylindrical bearings (1171, 1172) are maintained in a single predetermined plane and such that the first cylindrical bearing (1171) is disposed under the second cylindrical bearing (1172) at a minimum supporting height along said vertical plane.

IPC 8 full level
C23C 2/00 (2006.01)

CPC (source: EP KR US)
C23C 2/00344 (2022.08 - EP KR US); **C23C 2/06** (2013.01 - KR); **C23C 2/40** (2013.01 - KR); **Y10T 29/53104** (2015.01 - EP US)

Citation (search report)
See references of WO 2010010236A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2010010236 A1 20100128; AU 2008359685 A1 20100128; BR PI0822961 A2 20180529; CA 2731419 A1 20100128; CN 102099504 A 20110615; CN 102099504 B 20130821; EP 2300629 A1 20110330; JP 2011528754 A 20111124; KR 20110042170 A 20110425; RU 2011106296 A 20120827; RU 2468115 C2 20121127; US 2011119905 A1 20110526

DOCDB simple family (application)
FR 2008001075 W 20080721; AU 2008359685 A 20080721; BR PI0822961 A 20080721; CA 2731419 A 20080721; CN 200880130448 A 20080721; EP 08875604 A 20080721; JP 2011519202 A 20080721; KR 20117001495 A 20080721; RU 2011106296 A 20080721; US 200813055205 A 20080721