Title (en)

METHOD AND INSTALLATION FOR DIP COATING OF A METAL STRIP, IN PARTICULAR A STEEL STRIP

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHMELZTAUCHBESCHICHTEN VON METALLSTRÄNGEN,INSBESONDERE VON STAHLBAND

Title (fr)

PROCEDE ET INSTALLATION DE REVETEMENT AU TREMPE D'UNE BANDE METALLIQUE, NOTAMMENT D'UNE BANDE D'ACIER

Publication

EP 1334216 B1 20070725 (FR)

Application

EP 01993713 A 20011106

Priority

- FR 0103437 W 20011106
- FR 0014483 A 20001110

Abstract (en)

[origin: WO0238822A1] The invention concerns a method for continuous dip coating of a metal strip (1) in a tank (11) containing a liquid metal bath (12) method which consists in continuously unwinding the metal strip (1) in a sheath (13) whereof the lower part is immersed in the liquid metal bath (12) to define with the surface of said bath a liquid seal (14); at the zone outputting the strip (1) from the liquid metal bath (12), isolating the liquid metal relative to the surface of said bath in an isolating chamber (12) and in recuperating the metal oxide particles and intermetallic compounds by circulating the liquid metal in said zone in said chamber (20) and extracting said particles from said chamber (20). The invention also concerns an installation for implementing the method.

IPC 8 full level

C23C 2/00 (2006.01); **C23C 2/26** (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP KR US)

C23C 2/00 (2013.01 - EP US); **C23C 2/00344** (2022.08 - KR); **C23C 2/06** (2013.01 - KR); **C23C 2/16** (2013.01 - KR); **C23C 2/325** (2022.08 - EP US); **C23C 2/40** (2013.01 - KR)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)

AL LT LV MK RO SI

DOCDB simple family (publication)

WO 0238822 A1 20020516; AR 034183 A1 20040204; AT E368135 T1 20070815; AU 2002223762 B2 20061130; AU 2376202 A 20020521; BG 107778 A 20040130; BG 65299 B1 20071228; BR 0100008 A 20020709; BR 0100008 B1 20120207; CA 2428485 A1 20020516; CA 2428485 C 20090512; CN 1308479 C 20070404; CN 1479800 A 20040303; CZ 20031295 A3 20040114; CZ 299519 B6 20080820; DE 60129580 D1 20070906; DE 60129580 T2 20080410; DK 1334216 T3 20071001; EA 004413 B1 20040429; EA 200300552 A1 20031030; EC SP034591 A 20030924; EE 04784 B1 20070215; EE 200300211 A 20030815; EP 1334216 A1 20030813; EP 1334216 B1 20070725; ES 2288172 T3 20080101; FR 2816638 A1 20020517; FR 2816638 B1 20030919; HR P20030369 A2 20030630; HR P20030369 B1 20071231; HU 227046 B1 20100528; HU P0302619 A2 20031128; HU P0302619 A3 20031229; JP 2004513236 A 20040430; JP 3997156 B2 20071024; KR 100725556 B1 20070608; KR 20030048134 A 20030618; MA 25853 A1 20030701; ME 00842 B 20080929; MX PA03004134 A 20030819; NO 20032090 D0 20030509; NO 20032090 L 20030708; PL 201516 B1 20090430; PL 362574 A1 20041102; PT 1334216 E 20070904; RS 49957 B 20080929; SK 286801 B6 20090507; SK 5392003 A3 20040108; TW 541208 B 20030711; UA 74224 C2 20051115; US 2004052960 A1 20040318; US 2006113354 A1 20060601; US 6994754 B2 20060207; US 7722933 B2 20100525; YU 35203 A 20051128; ZA 200303499 B 20040304

DOCDB simple family (application)

FR 0103437 W 20011106; AR P010105246 A 20011109; AT 01993713 T 20011106; AU 2002223762 A 20011106; AU 2376202 A 20011106; BG 10777803 A 20030507; BR 0100008 A 20010103; CA 2428485 A 20011106; CN 01820331 A 20011106; CZ 20031295 A 20011106; DE 60129580 T 20011106; DK 01993713 T 20011106; EA 200300552 A 20011106; EC SP034591 A 20030508; EE P200300211 A 20011106; EP 01993713 A 20011106; ES 01993713 T 20011106; FR 0014483 A 20001110; HR P20030369 A 20030509; HU P0302619 A 20011106; JP 2002541134 A 20011106; KR 20037006350 A 20030509; MA 27144 A 20030507; ME P2003352 A 20011106; MX PA03004134 A 20011106; NO 20032090 A 20030509; PL 36257401 A 20011106; PT 01993713 T 20011106; SK 5392003 A 20011106; TW 90127929 A 20011109; UA 200365328 A 20011106; US 27593506 A 20060206; US 41619103 A 20031021; YU P35203 A 20011106; ZA 200303499 A 20030507