

Title (en)  
METHOD AND INSTALLATION FOR THE ELECTROLYTIC COATING WITH A METAL LAYER OF THE SURFACE OF A CYLINDER FOR THE CONTINUOUS CASTING OF THIN METAL STRIPS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM ELEKTROLYTISCHEN BESCHICHTEN EINER ZYLINDEROBERFLÄCHE MIT METALL EINES ZYLINDERS FÜR DAS STRANGGIESSEN VON DÜNNEN METALLBÄNDERN

Title (fr)  
PROCEDE ET INSTALLATION DE REVETEMENT ELECTROLYTIQUE PAR UNE COUCHE METALLIQUE DE LA SURFACE D'UN CYLINDRE POUR COULEE CONTINUE DE BANDES METALLIQUES MINCES

Publication  
**EP 0909346 B1 20020918 (FR)**

Application  
**EP 97927245 A 19970606**

Priority

- FR 9701000 W 19970606
- FR 9607981 A 19960627
- FR 9616255 A 19961231

Abstract (en)  
[origin: US6228242B1] Both a process and plant are provided for electrolytically coating with a metal layer the casting surface of a roll for twin-roll or single-roll continuous casting of thin metal strip. The casting surface is at least partially immersed in an electrolyte solution containing a salt of the metal to be deposited, so as to face at least one anode. The surface is placed at a cathode and a relative movement is created between the casting surface and the electrolyte solution. Insulating masks are interposed between the anode or anodes and the arrises of the casting surface, the insulating masks preventing a concentration of the lines of current on the arrises and in their vicinity.

IPC 1-7  
**C25D 1/04**

IPC 8 full level  
**C25D 1/04** (2006.01); **B22D 11/06** (2006.01); **C25D 1/02** (2006.01); **C25D 7/00** (2006.01); **C25D 17/02** (2006.01)

CPC (source: EP KR US)  
**C25D 1/04** (2013.01 - EP KR US)

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**WO 9749843 A1 19971231**; AT E224467 T1 20021015; AU 3180297 A 19980114; AU 715095 B2 20000113; BR 9709898 A 19990810; CA 2252923 A1 19971231; CA 2252923 C 20050920; CN 1117181 C 20030806; CN 1219983 A 19990616; CZ 295349 B6 20050713; CZ 400298 A3 19990317; DE 69715622 D1 20021024; DE 69715622 T2 20030807; DK 0909346 T3 20030127; EP 0909346 A1 19990421; EP 0909346 B1 20020918; ES 2183183 T3 20030316; FR 2750438 A1 19980102; FR 2750438 B1 19980807; JP 2000512556 A 20000926; JP 4308909 B2 20090805; KR 100428830 B1 20040918; KR 20000010694 A 20000225; PL 187533 B1 20040730; PL 330923 A1 19990607; PT 909346 E 20030930; RO 119204 B1 20040528; RU 2188260 C2 20020827; SK 147298 A3 19990611; SK 283880 B6 20040406; TR 199802696 T2 19990322; UA 54438 C2 20030317; US 6228242 B1 20010508

DOCDB simple family (application)  
**FR 9701000 W 19970606**; AT 97927245 T 19970606; AU 3180297 A 19970606; BR 9709898 A 19970606; CA 2252923 A 19970606; CN 97194984 A 19970606; CZ 400298 A 19970606; DE 69715622 T 19970606; DK 97927245 T 19970606; EP 97927245 A 19970606; ES 97927245 T 19970606; FR 9616255 A 19961231; JP 50241798 A 19970606; KR 19980708772 A 19981030; PL 33092397 A 19970606; PT 97927245 T 19970606; RO 9801742 A 19970606; RU 99101901 A 19970606; SK 147298 A 19970606; TR 9802696 T 19970606; UA 99010423 A 19970606; US 14720598 A 19981209