Title (en)

CONDUCTOR ROLL FOR CONTINUOUSLY ELECTROPLATING A METAL OR OTHER CONDUCTIVE STRIP

Publication

EP 0298887 B1 19920108 (FR)

Application

EP 88440055 A 19880704

Priority

FR 8709651 A 19870707

Abstract (en)

[origin: US4849083A] A rotary conductor roll intended to be partially immersed in an electrolyte in a manufacturing line for continuously electroplating a strip (2), the roll includes, on its periphery, at least one electrically conductive active zone (3) and at least one coated zone (41) coated with a flexible material which may optionally be associated with an adhesive and which serves to seal the contact between the strip (2) and the conductive active zone (3) from the electrolyte. At least one intermediate ring (42) is interposed between said conductive active zone (3) and said coated zone (41), said intermediate ring being made of a polymer for which at least one of the following coefficients is intermediate in value between the corresponding coefficients of the material constituting the conductive active zone (3) and of the material constituting said coated zone (41), said coefficients being: coefficient of expansion, flexibility, and swelling due to contact with the electrolyte, e.g. by absorption or by chemical combination.

IPC 1-7

C25D 17/00

IPC 8 full level

C25D 17/00 (2006.01); **C25D 7/06** (2006.01); **C25D 17/14** (2006.01)

CPC (source: EP KR US)

C25D 7/00 (2013.01 - KR); **C25D 7/0657** (2013.01 - EP US)

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DOCDB simple family (publication)

EP 0298887 A1 19890111; **EP 0298887 B1 19920108**; AT E71413 T1 19920115; BR 8803359 A 19890131; CA 1321165 C 19930810; DE 3867550 D1 19920220; ES 2029726 T3 19920901; FR 2617869 A1 19890113; FR 2617869 B1 19891215; GR 3004293 T3 19930331; JP H01127694 A 19890519; JP H0768636 B2 19950726; KR 890002446 A 19890410; KR 950013596 B1 19951113; SU 1722236 A3 19920323; US 4849083 A 19890718

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