

Title (en)

DEVICE FOR CARRYING OUT CONTINUOUS ELECTROLYTIC PRECIPITATION PROCESSES

Title (de)

VORRICHTUNG ZUM DURCHFÜHREN KONTINUIERLICHER ELEKTROLYTISCHER ABSCHIEDUNGSPROZESSE

Title (fr)

DISPOSITIF POUR METTRE EN OEUVRE DES PROCESSUS DE PRECIPITATION ELECTROLYTIQUE EN CONTINU

Publication

**EP 0975825 A2 20000202 (DE)**

Application

**EP 98922686 A 19980411**

Priority

- DE 19716369 A 19970418
- EP 9802117 W 19980411

Abstract (en)

[origin: US6306268B1] A device (1) for carrying out continuous electrolytic precipitation processes has a cathodic live cylinder (3) whose top surface is electroconductive over its whole useful width. An anode A is arranged concentrically to and spaced apart from the cathodic live cylinder (3). An electrolyte flows through the space (6) separating the live cylinder (3) from the anode A. Shielding strips (9, 9') associated to the live cylinder (3) are located between the cathodic surface of the live cylinder (3) and the anode A and electrically shield the marginal regions of the live cylinder (3), thus protecting them from electrolytic coating. The useful region N of the live cylinder (3) for carrying out the electrolytic precipitation processes is located between the shielding strips (9, 9'). The side of the shielding strips (9, 9') facing the useful region N has a shoulder (25') which reduces to zero the thickness of a metal strip to be produced or coated on one side, in the marginal region of the metal strip up to the shielding strip edge, so that no coating is deposited on the live cylinder outside the useful region N. The device (1) is useful both for electrolytically producing metal strips and for electrolytically coating one side of metal strips.

IPC 1-7

**C25D 7/00**

IPC 8 full level

**C25D 1/04** (2006.01); **C25D 7/00** (2006.01); **C25D 7/06** (2006.01)

CPC (source: EP KR US)

**C25D 1/04** (2013.01 - EP US); **C25D 7/06** (2013.01 - KR); **C25D 7/0635** (2013.01 - EP US); **C25D 7/0671** (2013.01 - EP US)

Citation (search report)

See references of WO 9848083A2

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU NL SE

DOCDB simple family (publication)

**US 6306268 B1 20011023**; AT E201724 T1 20010615; AU 7523898 A 19981113; BR 9808683 A 20000711; CA 2286813 A1 19981029; CA 2286813 C 20031007; CN 1113984 C 20030709; CN 1251624 A 20000426; DE 19716369 A1 19981022; DE 59800799 D1 20010705; EP 0975825 A2 20000202; EP 0975825 B1 20010530; ES 2157661 T3 20010816; JP 2000510532 A 20000815; JP 3237762 B2 20011210; KR 100340349 B1 20020612; KR 20010006412 A 20010126; MD 2173 F2 20030531; MD 2173 G2 20031130; MD 990273 A 20020630; PL 336496 A1 20000703; RU 2180021 C2 20020227; WO 9848083 A2 19981029; WO 9848083 A3 19990211

DOCDB simple family (application)

**US 40324499 A 19991221**; AT 98922686 T 19980411; AU 7523898 A 19980411; BR 9808683 A 19980411; CA 2286813 A 19980411; CN 98803897 A 19980411; DE 19716369 A 19970418; DE 59800799 T 19980411; EP 9802117 W 19980411; EP 98922686 A 19980411; ES 98922686 T 19980411; JP 54493998 A 19980411; KR 19997009499 A 19991015; MD 990273 A 19980411; PL 33649698 A 19980411; RU 99123931 A 19980411