

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

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Application

EP 98922686 A 19980411

Priority

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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

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IPC 8 full level

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