

Title (en)

Method and device for electrolytic surface treatment

Title (de)

Elektrolytisches Oberflächenbehandlungsverfahren und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé et dispositif pour traitement de surface électrolytique

Publication

EP 0695818 B1 19980408 (DE)

Application

EP 95250142 A 19950614

Priority

DE 4425854 A 19940707

Abstract (en)

[origin: US5584984A] A process and apparatus for electrolytically treating a surface, as for pickling, cleaning and/or degreasing a high-speed continuous metal strip. The strip to be treated is passed through a container holding an electrolyte and including strip electrodes disposed in confrontingly-spaced relation above and below the movement path of the strip. The electrodes are arranged along the movement path in serial adjacency so that each electrode is disposed immediately adjacent to an opposite polarity electrode along the path. Electrolyte is applied to the strip by a number of nozzle pairs, each pair being associated with and arranged on opposite sides of a respective electrode and acting on a region of the strip confrontingly opposite that electrode so as to prevent the electrolyte from entering gap regions defined between adjacent electrodes. This arrangement avoids short circuits through the electrolyte between adjacent, opposite charge electrodes.

IPC 1-7

C25F 7/00; **C25F 1/00**

IPC 8 full level

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CPC (source: EP US)

C25F 1/00 (2013.01 - EP US); **C25F 7/00** (2013.01 - EP US)

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DE 4425854 A 19940707; DE 59501827 T 19950614; EP 95250142 A 19950614; FI 953316 A 19950705; JP 19251795 A 19950705; US 49942995 A 19950707