

Title (en)

METHOD FOR ELECTROPLATING AN UNCOATED STEEL STRIP WITH A PLATING LAYER

Title (de)

VERFAHREN ZUR GALVANISIERUNG EINER UNBESCHICHTETEN STAHLBAND MIT EINER GALVANISIERSCICHT

Title (fr)

PROCÉDÉ POUR ELECTRODÉPOSER UNE BANDE D'ACIER NON REVÊTUES AVEC UNE COUCHE DE PLACAGE

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Application

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Abstract (en)

[origin: WO2018087135A1] This invention relates to a method for electroplating an uncoated steel strip with a plating layer from a trivalent Cr-electrolyte, where the uncoated strip is subjected to a cleaning and pickling step prior to the plating process and then subsequently subjected to a plating process in a plating section comprising of a series of consecutive plating cells, wherein in a first stage of the plating process a current is applied to the strip entering the first plating cell which current is insufficient to deposit a plating layer from the trivalent Cr-electrolyte, but which is sufficient to provide cathodic protection of the strip in the electrolyte, and wherein in a second stage of the plating process a higher current is applied to the strip to deposit a plating layer comprising chromium metal, chromium carbide and chromium oxide from the trivalent Cr-electrolyte.

IPC 8 full level

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