

Title (en)

EQUIPMENT AND METHOD FOR ELECTROLYTIC TINNING OF STEEL STRIPS USING A NON SOLUBLE ANODE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ELEKTROLYTISCHEN VERZINNUNG VON STAHLSTREIFEN MITHILFE EINER NICHTLÖSLICHEN ANODE

Title (fr)

INSTALLATION ET PROCÉDÉ POUR L'ÉTAMAGE ÉLECTROLYTIQUE DE BANDES D'ACIER, METTANT EN OEUVRE UNE ANODE INSOLUBLE

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Application

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Abstract (en)

[origin: WO2009013398A2] The invention relates to equipment for the electrolytic tinning (1) of a continuously running steel strip (2) in at least one coating tank (30) fitted with at least one non-soluble anode (60) and containing an acidic electrolyte. The equipment (1) further includes a tin dissolution reactor (10) including a non-soluble cathode (120) and a soluble tin anode (160). According to the invention, at least one electro dialysis or electrolysis cationic membrane (140) is provided in the reactor (10) between the tin anode (160) and the cathode (120), thus defining an anodic area (1600) and a cathodic area (1200), and an electrolyte recirculation circuit connects the electrodeposition tank (30) to the anodic area (1600) of the reactor (10). The present invention also relates to an electrolytic tinning method with a non-soluble anode using said equipment (1).

IPC 8 full level

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