

Title (en)
CONTINUOUS ELECTROLYTIC PICKLING METHOD FOR METALLIC PRODUCTS USING ALTERNATE CURRENT SUPPLIED CELLS

Title (de)
METHODE ZUM KONTINUIERLICHEN ELEKTROLYTISCHEN BEIZEN VON METALLEN MITTELS WECHSELSTROM GESPEISTEN ZELLEN

Title (fr)
PROCEDE DE DECAPAGE ELECTROLYTIQUE CONTINU POUR PRODUITS METALLIQUES UTILISANT DES CELLULES ALIMENTEES EN COURANT ALTERNATIF

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Application
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Abstract (en)
[origin: WO0212596A2] Continuous electrolytic pickling method for steels, Nickel, superalloys, Titanium and alloys thereof, characterised in that the material to be treated , for a time comprised between 3 sec and 60 sec, is immersed into or passes through at least one electrolytic cell with an electrolytic solution consisting of a neutral or acid aqueous solution, at a temperature comprised between 20 DEG C and 95 DEG C, with at least one pair of electrodes connected to an alternate current power supply having a frequency ranging from 1 Hz to 1000 Hz, the electrolysis being carried out at a current density having an effective amplitude ranging from 10 A/dm² to 250 A/dm². The Figure depicts the progress of the weight loss of an AISI 409 (X6CrTi12) steel as a function of the application time of an embodiment of the pickling method according to the present invention.

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