

Title (en)

METHOD FOR PICKLING MARTENSITIC OR FERRITIC HIGH-GRADE STEEL

Title (de)

VERFAHREN ZUM BEIZEN VON MARTENSITISCHEM ODER FERRITISCHEM EDELSTAHL

Title (fr)

PROCEDE POUR ATTAQUER L'ACIER INOXYDABLE MARTENSITIQUE OU FERRITIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: US7229506B2] A process for pickling martensitic or ferritic stainless steel, preferably in the form of wires, tubes or rods, wherein the stainless steel is placed in contact with a pickling solution which has a temperature in the range 15 to 29° C. and contains 50 to 120 g/l of free sulfuric acid, 5 to 40 g/l of free HF and 5 to 40 g/l of Fe(III) ions. Such pickling may be incorporated into a sequential process, wherein the stainless steel is a) subjected to a treatment during which the oxidic coating is applied, preferably sand-blasting or metal-blasting, treatment with a molten salt or treatment with an aqueous permanganate/alkali metal hydroxide solution, b) pickled in accordance with the aforescribed process, and c) post-treated with a passivating solution.

IPC 8 full level

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