

Title (en)

INTEGRATION OF LIGHT METALS INTO STEEL PICKLING AND PRETREATING PROCESSES

Title (de)

AUFNAHME VON LEICHTMETALLEN IN BEIZ- UND VORBEHANDLUNGSVERFAHREN FÜR STAHL

Title (fr)

RÉCEPTION DE MÉTAUX LÉGERS DANS UN PROCÉDÉ DE PRÉTRAITEMENT ET DE DÉCAPAGE DE L'ACIER

Publication

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Application

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- EP 2015078466 W 20151203

Abstract (en)

[origin: WO2016091703A1] The present invention concerns a method for wet-chemically pretreating a multiplicity of iron components and a multiplicity of aluminium components in series, with each of the iron components undergoing in immediate succession first a pickle (1) and then a reactive rinse (2), and with each of the aluminium components likewise undergoing this same reactive rinse (2), but without having undergone a pickle (1), the pickle (1) being effected by contacting the components with an aqueous bath solution (A) which is acidified with sulphuric acid and has a pH of below 1.0, and the reactive rinse (2) being effected by contacting the components with an aqueous bath solution (B) which is acidified with sulphuric acid and contains a total of at least 0.02 g/kg of water-soluble compounds of the elements Zr and/or Ti, based in each case on the respective elements, and has a pH of not below 1.0.

IPC 8 full level

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CPC (source: EP)

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