

Title (en)  
TREATMENT PROCESS FOR BARS

Title (de)  
BEHANDLUNGSVERFAHREN FÜR STÄBE

Title (fr)  
PROCESSUS DE TRAITEMENT DE BARRES

Publication  
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Application  
**EP 05819784 A 20051021**

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Abstract (en)  
[origin: WO2006043156A1] Treatment process for stainless steel bars, in particular a solution quenching, to be performed directly in-line downstream of the rolling mill which makes it possible to obtain a material devoid of intergranular corrosion and with microstructural characteristics suitable for subsequent uses. Advantageously, said process also makes it possible to improve the productivity of the entire rolling plant. The treatment is suitable to be performed on austenitic, ferritic, or austeno-ferritic stainless steel bars, Al-Cu alloy bars, Nickel alloy bars, and all other alloys requiring rapid cooling in order to prevent undesired phase precipitations. Prevention of intergranular corrosion obtained with the treatment process of the invention makes it possible to prevent problems, and relative costs, during surface treatment of the bars and those that could occur in final use.

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