

Title (en)  
AUSTENITE BASED STAINLESS STEEL AND METHOD OF DEHYDROGENATING THE SAME

Title (de)  
EDELSTAHL AUF AUSTENITBASIS UND VERFAHREN ZU SEINER DEHYDROGENIERUNG

Title (fr)  
ACIER INOXYDABLE AUSTÉNITIQUE ET SON PROCÉDÉ DE DÉSHYDROGÉNATION

Publication  
**EP 2108710 A4 20100714 (EN)**

Application  
**EP 07829327 A 20071005**

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Abstract (en)  
[origin: EP2108710A1] By focusing on the non-diffusible hydrogen that causes hydrogen embrittlement of austenitic stainless steel, the present invention provides an austenitic stainless steel in which the non-diffusible hydrogen is removed by maintaining the austenitic stainless steel in a vacuum of 0.2 Pa or less and heating at a heating temperature of 200 °C to 500 °C for 460 hours or less to remove the hydrogen (H) contained therein to a level of 0.00007 mass% (0.7 mass ppm) or less.

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