Title (en)

METHOD FOR PRODUCING HOT-ROLLED SEAMLESS PIPES FROM TRANSFORMABLE STEEL, IN PARTICULAR FOR PIPELINES FOR DEEP-WATER APPLICATIONS, AND CORRESPONDING PIPES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WARMGEWALZTEN, NAHTLOSEN ROHREN AUS UMWANDLUNGSFÄHIGEM STAHL, INSBESONDERE FÜR ROHRLEITUNGEN FÜR TIEFWASSERANWENDUNGEN UND ENTSPRECHENDE ROHRE

Title (fr)

PROCÉDÉ DE FABRICATION DE TUBES LAMINÉS À CHAUD SANS CORDON EN ACIER TRANSFORMABLE, NOTAMMENT POUR DES CONDUITES TUBULAIRES DESTINÉES À DES APPLICATIONS EN EAU PROFONDE, ET TUBES CORRESPONDANTS

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Application

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Abstract (en)

[origin: CA2940121A1] The invention relates to a method for producing hot-rolled seamless pipes (1) from transformable steel, in particular for pipelines for deep-water applications. The pipe ends (3) are hot-upsetted in order to achieve a thickened wall portion after a final rolling process of the pipes (1). The aim of the invention is to produce pipes with excellent fatigue, corrosion, and welding properties. This is achieved in that a pre-selected ratio between a wall thickness of the pipe end (3) and a wall thickness of a wall body (2) adjoining the pipe end (3) is set by the hot-upsetting process such that a pipe (1) is achieved with a pipe end (3) which has a lower strength than the pipe body (2) after a uniform tempering process of the entire pipe (1) following the hot-upsetting process by using a previously ascertained wall thickness-dependent cooling rate during the tempering process.

IPC 8 full level

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