

Title (en)
STEEL SHEET HAVING EXCELLENT PWHT RESISTANCE FOR LOW-TEMPERATURE PRESSURE VESSEL AND METHOD FOR MANUFACTURING SAME

Title (de)
STAHLBLECH MIT AUSGEZEICHNETER PWHT-BESTÄNDIGKEIT FÜR NIEDERTEMPERATURDRUCKBEHÄLTER UND VERFAHREN ZUR HERSTELLUNG

Title (fr)
TÔLE D'ACIER PRÉSENTANT UNE EXCELLENTE RÉSISTANCE AU TRAITEMENT THERMIQUE APRÈS SOUDAGE POUR RÉCIPIENT SOUS PRESSION À BASSE TEMPÉRATURE ET SON PROCÉDÉ DE FABRICATION

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Abstract (en)
[origin: EP3395984A1] The present invention relates to a steel plate having excellent PWHT resistance and low-temperature toughness for a low-temperature pressure vessel and a method for manufacturing the same, wherein the steel plate comprises, in terms of wt%, 0.07-0.17% of C, 0.15-0.40% of Si, 0.3-0.7% of Mn, 0.012% or less of P, 0.015% or less of S, 3.0-4.0% of Ni, 0.03-0.25% of W, and the balance of Fe and inevitable impurities, has a micro-structure comprising 25-80 area% of tempered bainite and the balance of tempered martensite, and has a tensile strength of 600 MPa or more.

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