

Title (en)
HOT-ROLLED FERRITIC STAINLESS STEEL SHEET HAVING EXCELLENT FORMABILITY AND METHOD FOR MANUFACTURING SAME

Title (de)
WARMGEWALZTES FERRITISCHES EDELSTAHLBLECH MIT HERVORRAGENDER FORMBARKEIT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
FEUILLE D'ACIER INOXYDABLE FERRITIQUE LAMINÉE À CHAUD PRÉSENTANT UNE EXCELLENTE APTITUDE AU FORMAGE ET PROCÉDÉ ASSOCIÉ DE FABRICATION

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Abstract (en)
The present invention pertains to a hot-rolled ferritic stainless steel sheet having excellent formability, which has an R-bar value of at least 1.08 and satisfies $TS/YS \leq 1.5$ representing the ratio of tensile strength (TS) to yield strength (YS) after a steel, containing 0.001-0.1% of C, 10.0-14.0% of Cr, 0.001-0.5% of Ti, 0.001-0.5% of Nb, 0.001-1.5% of Ni, 0.001-1.5% of Mn, 0.001-1.0% of Cu, 0.001-2.0% of Si, 0.001-0.1% of N, and 0.1% or less of Al, with the remainder comprising Fe and inevitable impurities, is hot-rolled and then pre-rolled at a reduction ratio of 30% or more.

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