

Title (en)
FERRITIC STAINLESS STEEL HAVING EXCELLENT DUCTILITY AND METHOD FOR MANUFACTURING SAME

Title (de)
FERRITISCHER EDELSTAHL MIT HERVORRAGENDER DUKTILITÄT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
MATÉRIAU D'ACIER INOXYDABLE FERRITIQUE PRÉSENTANT UNE EXCELLENTE DUCTILITÉ ET SON PROCÉDÉ DE PRODUCTION

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Application
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- KR 2015004410 W 20150430

Abstract (en)
Ferritic stainless steel having a high degree of ductility and a method for manufacturing the ferritic stainless steel are provided. The stainless steel according to one aspect of an embodiment of the present invention includes, by wt%, C: 0.005% to 0.1%, Si: 0.01 % to 2.0%, Mn: 0.01 % to 1.5%, P: 0.05% or less, S: 0.005% or less, Cr: 10% to 30%, Ti: 0.005% to 0.5%, Al: 0.01 % to 0.15%, N: 0.005% to 0.03%, and the balance of Fe and inevitable impurities, wherein the ferritic stainless steel includes 3.5 x 10⁶ or fewer particles of an independent Ti(CN) precipitate per square millimeter (mm²) of ferrite matrix.

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Cited by
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