

Title (en)
FERRITIC-AUSTENITIC STAINLESS STEEL EXCELLENT IN CORROSION RESISTANCE AND WORKABILITY AND PROCESS FOR MANUFACTURING THE SAME

Title (de)
FERRITISCH-AUSTENITISCHER EDELSTAHL MIT HERVORRAGENDER KORROSIONSBESTÄNDIGKEIT UND BEARBEITBARKEIT SOWIE HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
ACIER INOXYDABLE AUSTÉNOFERRITIQUE D'EXCELLENTE RÉSISTANCE À LA CORROSION ET TRANSFORMABILITÉ, ET PROCÉDÉ POUR LA FABRICATION DUDIT

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Abstract (en)
[origin: EP2172574A1] The present invention relates to ferritic-austenitic stainless steel oriented to have low Ni which is excellent in corrosion resistance, particularly in corrosion resistance in a neutral chloride environment, and has high "uniform elongation" - a factor governing workability - and a method of production for the same. There are independently provided ferritic-austenitic stainless steels and methods of production for the same particularly having a corrosion resistance in a neutral chloride environment satisfying PI value(=Cr+3Mo+10N-Mn)÷18% and having a uniform elongation satisfying -10÷Md÷110 (where Md=-551-462({C}+[N])-9.2[Si]-8.1[Mn]-13.7[Cr]-29[Ni]-29[Cu]-18.5[Mo], where [] is composition (mass %) in the austenite phase, and { } is average composition (mass%))

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