

Title (en)  
FERRITIC STAINLESS STEEL WITH EXCELLENT RIDGING PROPERTY AND SURFACE QUALITY AND MANUFACTURING METHOD THEREFOR

Title (de)  
FERRITISCHER EDELSTAHL MIT HERVORRAGENDER RIDGING-EIGENSCHAFT UND OBERFLÄCHENGÜTE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
ACIER INOXYDABLE FERRITIQUE PRÉSENTANT UNE EXCELLENTE PROPRIÉTÉ DE FORMATION DE STRIES ET UNE EXCELLENTE QUALITÉ DE SURFACE, ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 3556888 A4 20191023 (EN)**

Application  
**EP 17881883 A 20170704**

Priority  
• KR 20160169696 A 20161213  
• KR 2017007099 W 20170704

Abstract (en)  
[origin: EP3556888A1] Disclosed herein are a ferritic stainless steel having excellent ridging properties and excellent surface quality of a final product by modifying a microstructure of a central area of a cross-section by further performing cold rolling before hot annealing. A ferritic stainless steel according to the present disclosure includes, by wt%, 0.005 to 0.1% of carbon (C), 0.01 to 2.0% of silicon (Si), 0.01 to 1.5% of manganese (Mn), 0.05% or less of phosphorus (P), 0.005% or less of sulfur (S), 10 to 30% of chromium (Cr), 0.005 to 0.1% of nitrogen (N), 0.005 to 0.2% of aluminum (Al), and the remainder of iron (Fe) and other impurities, wherein a  $\gamma$  value is in the range of 20% to less than 50%, and a surface microgroove area ratio is 2.0% or less.

IPC 8 full level  
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CPC (source: EP KR US)  
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