

Title (en)
FERRITE-BASED STAINLESS STEEL HAVING IMPROVED SURFACE CHARACTERISTICS AND METHOD FOR MANUFACTURING SAME

Title (de)
FERRITBASIERTER EDELSTAHL MIT VERBESSERTEN OBERFLÄCHENEIGENSCHAFTEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
ACIER INOXYDABLE À BASE DE FERRITE AYANT DES CARACTÉRISTIQUES DE SURFACE AMÉLIORÉES ET SON PROCÉDÉ DE FABRICATION

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Application
EP 20933826 A 20201014

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Abstract (en)
Disclosed are a ferrite-based stainless steel having improved surface characteristics and a method for manufacturing same. The ferrite-based stainless steel according to the present invention includes, in percent by weight (wt%), 0.001 to 0.05% of C, 0.001 to 0.05% of N, 0.1 to 1.0% of Si, 0.1 to 1.0% of Mn, 12.0 to 22.0% of Cr, 0.01 to 1.0% of Ti, 0.01 to 1.0% of Nb, and the remainder of Fe and unavoidable impurities, wherein micro flaws having a length of 100 μm or more are distributed at a density of 5 pieces/mm² or less.

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