

Title (en)
FERRITIC STAINLESS STEEL SHEET SUPERIOR IN SURFACE GLOSSINESS AND CORROSION RESISTANCE AND METHOD FOR PRODUCING SAME

Title (de)
FERRITISCHES EDELSTAHLBLECH MIT HERVORRAGENDEM OBERFLÄCHENGLANZ UND HERVORRAGENDER KORROSIONSFESTIGKEIT SOWIE HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
FEUILLE D'ACIER INOXYDABLE FERRITIQUE PRÉSENTANT UN MEILLEUR BRILLANT DE SURFACE ET UNE MEILLEURE RÉSISTANCE À LA CORROSION ET PROCÉDÉ DE FABRICATION DE CETTE DERNIÈRE

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Application
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Priority

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Abstract (en)
[origin: EP2554701A1] The stainless steel sheet according to the present invention is a ferritic stainless steel which is comprised of, by mass%, C: 0.001 to 0.03%, Si: 0.01 to 1.0%, Mn: 0.01 to 1.5%, P: 0.005 to 0.05%, S: 0.0001 to 0.01%, Cr: 12 to 16%, N: 0.001 to 0.03%, Nb: 0.05 to 0.3%, Ti: 0.03 to 0.15%, Al: 0.005 to 0.5%, Sn: 0.01 to 1.0%, and has the remainder of Fe and unavoidable impurities and satisfies the relationship of $1 \leq \frac{\text{Nb}}{\text{Ti}} \leq 3.5$. The method comprises heating a slab of stainless steel which contains the above steel ingredients, setting the extraction temperature 1080 to 1190°C, and setting the coiling temperature after the end of hot rolling 500 to 700°C. After hot rolling, the method comprises annealing the hot rolled sheet, which can be omitted, cold rolling once or cold rolling twice or more which includes processing annealing, and finish annealing the steel sheet at 850 to 980°C.

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Citation (search report)

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- See references of WO 2011122513A1

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