

Title (en)
MARTENSITIC STAINLESS STEEL HAVING EXCELLENT WEAR RESISTANCE AND CORROSION RESISTANCE, AND METHOD FOR PRODUCING SAME

Title (de)
ROSTFREIER MARTENSITISCHER STAHL MIT AUSGEZEICHNETER VERSCHLEISSFESTIGKEIT UND KORROSIONSBESTÄNDIGKEIT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
ACIER INOXYDABLE MARTENSITIQUE AYANT UNE EXCELLENTE RÉSISTANCE À L'USURE ET UNE EXCELLENTE RÉSISTANCE À LA CORROSION, ET PROCÉDÉ POUR SA PRODUCTION

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Application
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Abstract (en)
[origin: EP3034642A1] Martensitic stainless steel of the present invention having excellent corrosion resistance includes, by mass%, C: 0.40% to 0.50%, Si: 0.25% to 0.60%, Mn: 2.0% or less, P: 0.035% or less, S: 0.010% or less, Cr: 11.0% to 15.5%, Ni: 0.01% to 0.60%, Cu: 0.50% or less, Mo: 0.10% or less, Sn: 0.005% to 0.10%, V: 0.10% or less, Al: 0.03% or less, N: 0.01% to 0.05%, and a remainder including Fe and inevitable impurities, in which amounts of C, N, and Sn satisfy Expression (1): $S \text{ value} = 16 \times \text{Sn} / \text{C} + 2 \times \text{N} / \text{C} \neq 0.40 \%$

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Cited by
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