

Title (en)
FERRITIC STAINLESS STEEL AND METHOD FOR PRODUCING SAME

Title (de)
FERRITISCHER EDELSTAHL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
ACIER INOXYDABLE DE TYPE FERRITIQUE ET SON PROCÉDÉ DE FABRICATION

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Application
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Abstract (en)
[origin: EP3093362A1] Provided are a ferritic stainless steel having sufficient corrosion resistance and formability (high elongation, large average r-value, and small $\{r\}$) and excellent surface properties with less seam defects, and a method for producing the ferritic stainless steel. A ferritic stainless steel of the present invention contains, in terms of % by mass, C: 0.005% to 0.05%, Si: 0.02% to 0.50%, Mn: 0.05% to 1.0%, P: 0.04% or less, S: 0.01% or less, Cr: 15.5% to 18.0%, Al: 0.001% to 0.10%, N: 0.01% to 0.06%, V: 0.01% to 0.25%, Ti: 0.001% to 0.020%, Nb: 0.001% to 0.030%, and the balance being Fe and unavoidable impurities, in which $V/(Ti + Nb) \neq 2.0$ is satisfied.

IPC 8 full level
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Citation (search report)
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