

Title (en)
HOT ROLLED Nb-CONTAINING FERRITIC STAINLESS STEEL SHEET AND METHOD FOR PRODUCING SAME, AND COLD ROLLED Nb-CONTAINING FERRITIC STAINLESS STEEL SHEET AND METHOD FOR PRODUCING SAME

Title (de)
WARMGEWALZTES NB-HALTIGES FERRITISCHES EDELSTAHLBLECH UND VERFAHREN ZUR HERSTELLUNG DAVON SOWIE KALTGEWALZTES NB-HALTIGES FERRITISCHES EDELSTAHLBLECH UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
TÔLE D'ACIER INOXYDABLE FERRITIQUE CONTENANT DU Nb LAMINÉE À CHAUD ET SON PROCÉDÉ DE FABRICATION ET TÔLE D'ACIER INOXYDABLE FERRITIQUE CONTENANT DU Nb LAMINÉE À FROID ET SON PROCÉDÉ DE FABRICATION

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Abstract (en)
The hot-rolled Nb-containing ferritic stainless steel sheet of the present invention has a composition containing C: 0.030 mass% or less, Si: 2.00 mass% or less, Mn: 2.00 mass% or less, P: 0.050 mass% or less, S: 0.040 mass% or less, Cr: 10.00 mass% to 25.00 mass%, N: 0.030 mass% or less and Nb: 0.01 mass% to 0.80 mass%, with the balance being made up of Fe and unavoidable impurities. In this hot-rolled Nb-containing ferritic stainless steel sheet, the precipitation amount of Nb carbonitrides is 0.2 mass% or more, and the number of Laves phases having a grain size of 0.1 µm or less is 10 or fewer per 10 µm² of surface area.

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