

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

Publication

EP 3388542 A4 20191106 (EN)

Application

EP 17747396 A 20170131

Priority

- JP 2016017883 A 20160202
- JP 2017003379 W 20170131

Abstract (en)

[origin: EP3388542A1] 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 μm^2 of surface area.

IPC 8 full level

C22C 38/00 (2006.01); **B21B 3/02** (2006.01); **B21B 15/00** (2006.01); **C21D 6/00** (2006.01); **C21D 8/02** (2006.01); **C21D 8/04** (2006.01); **C21D 9/46** (2006.01); **C21D 9/48** (2006.01); **C22C 38/02** (2006.01); **C22C 38/06** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01)

CPC (source: EP KR RU US)

B21B 3/02 (2013.01 - US); **C21D 6/002** (2013.01 - EP US); **C21D 6/004** (2013.01 - US); **C21D 6/005** (2013.01 - US); **C21D 6/008** (2013.01 - US); **C21D 8/02** (2013.01 - EP RU US); **C21D 8/0226** (2013.01 - EP KR US); **C21D 8/0236** (2013.01 - EP KR US); **C21D 8/0263** (2013.01 - EP US); **C21D 8/0273** (2013.01 - US); **C21D 8/0426** (2013.01 - EP US); **C21D 8/0436** (2013.01 - EP US); **C21D 8/0463** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP US); **C21D 9/48** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP KR US); **C22C 38/002** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP KR US); **C22C 38/04** (2013.01 - KR); **C22C 38/06** (2013.01 - EP US); **C22C 38/26** (2013.01 - KR RU); **C22C 38/34** (2013.01 - KR); **C22C 38/38** (2013.01 - EP KR RU US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **B21B 2015/0057** (2013.01 - US); **B21B 2261/21** (2013.01 - US); **C21D 2211/004** (2013.01 - EP US); **C21D 2211/005** (2013.01 - EP KR US)

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EP3438313A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3388542 A1 20181017; EP 3388542 A4 20191106; CA 3009133 A1 20170810; CN 108495944 A 20180904; CN 108495944 B 20201225; EP 3708690 A1 20200916; JP 6383503 B2 20180829; JP WO2017135240 A1 20180208; KR 102267129 B1 20210618; KR 20180109865 A 20181008; MX 2018009402 A 20181219; RU 2712668 C1 20200130; TW 201732055 A 20170916; TW I707049 B 20201011; US 2018363089 A1 20181220; US 2020255919 A1 20200813; WO 2017135240 A1 20170810

DOCDB simple family (application)

EP 17747396 A 20170131; CA 3009133 A 20170131; CN 201780007794 A 20170131; EP 20171581 A 20170131; JP 2017003379 W 20170131;
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