

Title (en)

FERRITIC STAINLESS STEEL SHEET AND METHOD FOR PRODUCING SAME

Title (de)

FERRITISCHES EDELSTAHLBLECH UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

TÔLE D'ACIER INOXYDABLE FERRITIQUE ET PROCÉDÉ DE PRODUCTION DE LADITE TÔLE

Publication

EP 3805417 A4 20220105 (EN)

Application

EP 19776987 A 20190307

Priority

- JP 2018069775 A 20180330
- JP 2019009147 W 20190307

Abstract (en)

[origin: EP3805417A1] This ferritic stainless steel sheet includes, by mass%: Cr: 11.0% to 30.0%; C: 0.001% to 0.030%; Si: 0.01% to 2.00%; Mn: 0.01% to 2.00%; P: 0.003% to 0.100%; S: 0.0100% or less; N: 0.030% or less; B: 0% to 0.0025%; Sn: 0% to 0.50%; Ni: 0% to 1.00%; Cu: 0% to 1.00%; Mo: 0% to 2.00%; W: 0% to 1.00%; Al: 0% to 1.00%; Co: 0% to 0.50%; V: 0% to 0.50%; Zr: 0% to 0.50%; Ca: 0% to 0.0050%; Mg: 0% to 0.0050%; Y: 0% to 0.10%; Hf: 0% to 0.10%; REM: 0% to 0.10%; Sb: 0% to 0.50%; and either one or both of Ti: 0.40% or less and Nb: 0.50% or less, with a balance being Fe and impurities, in which an amount of P present as a phosphide is 0.003 mass% or more, and a grain size number measured according to JIS G 0551 is 9.0 or more.

IPC 8 full level

C22C 38/00 (2006.01); **C21D 6/00** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/34** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/52** (2006.01); **C22C 38/58** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR)

C21D 6/002 (2013.01 - EP); **C21D 6/004** (2013.01 - EP); **C21D 8/0226** (2013.01 - EP KR); **C21D 8/0236** (2013.01 - EP KR); **C21D 8/0263** (2013.01 - EP KR); **C21D 8/0273** (2013.01 - EP KR); **C21D 9/46** (2013.01 - EP KR); **C22C 38/001** (2013.01 - EP KR); **C22C 38/34** (2013.01 - EP KR); **C22C 38/42** (2013.01 - EP KR); **C22C 38/44** (2013.01 - EP KR); **C22C 38/46** (2013.01 - EP KR); **C22C 38/52** (2013.01 - EP KR); **C22C 38/58** (2013.01 - EP KR); **C22C 38/60** (2013.01 - EP KR); **C21D 2211/005** (2013.01 - EP KR)

Citation (search report)

- [IY] EP 1514949 A1 20050316 - JFE STEEL CORP [JP]
- [Y] JP 2007224342 A 20070906 - NIPPON STEEL & SUMIKIN SST
- [A] EP 2953170 A1 20151209 - JFE STEEL CORP [JP]
- [A] JP H02217420 A 19900830 - NIPPON STEEL CORP
- See references of WO 2019188094A1

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 3805417 A1 20210414; **EP 3805417 A4 20220105**; BR 112020015001 A2 20201229; CN 111655890 A 20200911; CN 111655890 B 20211029; JP 6906688 B2 20210721; JP WO2019188094 A1 20201217; KR 102443897 B1 20220919; KR 20200100159 A 20200825; WO 2019188094 A1 20191003

DOCDB simple family (application)

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