

Title (en)  
AUSTENITIC STAINLESS STEEL

Title (de)  
AUSTENITISCHER EDELSTAHL

Title (fr)  
ACIER INOXYDABLE AUSTÉNITIQUE

Publication  
**EP 3178958 A4 20180321 (EN)**

Application  
**EP 16803537 A 20160603**

Priority  
• JP 2015114665 A 20150605  
• JP 2016066695 W 20160603

Abstract (en)  
[origin: EP3178958A1] An austenitic stainless steel with a chemical composition including in terms of mass%: 0.05 to 0.13% of C, 0.10 to 1.00% of Si, 0.10 to 3.00% of Mn, 0.040% or less of P, 0.020% or less of S, 17.00 to 19.00% of Cr, 12.00 to 15.00% of Ni, 2.00 to 4.00% of Cu, 0.01 to 2.00% of Mo, 2.00 to 5.00% of W, 2.50 to 5.00% of 2Mo+W, 0.01 to 0.40% of V, 0.05 to 0.50% of Ti, 0.15 to 0.70% of Nb, 0.001 to 0.040% of Al, 0.0010 to 0.0100% of B, 0.0010 to 0.0100% of N, 0.001 to 0.20% of Nd, 0.002% or less of Zr, 0.001% or less of Bi, 0.010% or less of Sn, 0.010% or less of Sb, 0.001% or less of Pb, 0.001% or less of As, 0.020% or less of Zr+Bi+Sn+Sb+Pb+As, 0.0090% or less of O, and a remainder including Fe and impurities.

IPC 8 full level  
**C22C 38/00** (2006.01); **C21D 6/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01); **C22C 38/54** (2006.01); **C22C 38/58** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR US)  
**C21D 6/004** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP KR US); **C22C 38/005** (2013.01 - EP KR US); **C22C 38/008** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP KR US); **C22C 38/42** (2013.01 - EP KR US); **C22C 38/44** (2013.01 - EP KR US); **C22C 38/46** (2013.01 - EP KR US); **C22C 38/48** (2013.01 - EP KR US); **C22C 38/50** (2013.01 - EP KR US); **C22C 38/54** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP KR US); **C22C 38/60** (2013.01 - EP KR US); **C21D 2211/001** (2013.01 - KR)

Citation (search report)  
• [A] EP 1867743 A1 20071219 - SUMITOMO METAL IND [JP]  
• [A] EP 1645649 A1 20060412 - SUMITOMO METAL IND [JP]  
• [A] EP 2048255 A1 20090415 - SUMITOMO METAL IND [JP]  
• See references of WO 2016195106A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3178958 A1 20170614**; **EP 3178958 A4 20180321**; **EP 3178958 B1 20190508**; CA 2954755 A1 20161208; CA 2954755 C 20190806; CN 106795610 A 20170531; CN 106795610 B 20180921; ES 2734051 T3 20191204; JP 2017089013 A 20170525; JP 6112270 B1 20170412; JP 6350686 B2 20180704; JP WO2016195106 A1 20170622; KR 101934219 B1 20181231; KR 20170020918 A 20170224; US 2017268085 A1 20170921; WO 2016195106 A1 20161208

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