

Title (en)
AUSTENITIC STAINLESS STEEL

Title (de)
AUSTENITISCHER EDELSTAHL

Title (fr)
ACIER INOXYDABLE AUSTÉNITIQUE

Publication
EP 2915893 A1 20150909 (EN)

Application
EP 13850082 A 20131029

Priority
• JP 2012238872 A 20121030
• JP 2013010188 A 20130123
• JP 2013079292 W 20131029

Abstract (en)
Disclosed is an austenitic stainless steel containing C of 0.01 to 0.15 percent by mass, Si of 0.10 to 1.00 percent by mass, Mn of 0.10 to 2.50 percent by mass, Ni of 15.0 to 25.0 percent by mass, Cr of 20.0 to 30.0 percent by mass, Nb of 0.10 to 0.80 percent by mass, Ta of 0.20 to 1.00 percent by mass, B of 0.0005 to 0.0050 percent by mass, N of 0.10 to 0.35 percent by mass, S of 0.0050 percent by mass or less (excluding 0 percent by mass), and P of 0.050 percent by mass or less (excluding 0 percent by mass) with the remainder including iron and inevitable impurities.

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (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)

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

Cited by
CN114555851A; EP3760753A4; WO2021037926A1

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 2915893 A1 20150909; **EP 2915893 A4 20160601**; CN 104736735 A 20150624; CN 109321822 A 20190212; KR 20150060942 A 20150603; WO 2014069467 A1 20140508

DOCDB simple family (application)
EP 13850082 A 20131029; CN 201380055256 A 20131029; CN 201811208834 A 20131029; JP 2013079292 W 20131029; KR 20157010895 A 20131029