

Title (en)
AUSTENITIC STAINLESS STEEL ALLOY

Title (de)
LEGIERUNG AUS AUSTENITISCHEM EDELSTAHL

Title (fr)
ALLIAGE EN ACIER INOXYDABLE AUSTÉNITIQUE

Publication
EP 2947171 A1 20151125 (EN)

Application
EP 15168453 A 20150520

Priority
US 201414282746 A 20140520

Abstract (en)
An austenitic stainless steel alloy is provided that includes 0.7-1.2 wt % of N, 10-25 wt % of Ni, 26-34 wt % of Cr, 0.1-1.0 wt % of Nb, 0.1-1.0 wt % of V, and a balance of Fe and incidental impurities.

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

CPC (source: EP US)
C21D 6/004 (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/54** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **C21D 7/13** (2013.01 - EP US); **C21D 8/0226** (2013.01 - EP US); **C21D 2211/001** (2013.01 - EP US)

Citation (search report)

- [X] JP H0426740 A 19920129 - NIPPON STAINLESS STEEL CO
- [XA] US 5494636 A 19960227 - DUPOIRON FRANCOIS [FR], et al
- [A] DE 3729577 C1 19880901 - THYSSEN EDELSTAHLWERKE AG
- [A] JP H08134593 A 19960528 - SUMITOMO METAL IND
- [A] EP 2058415 A1 20090513 - GEN ELECTRIC [US]
- [A] JP H046216 A 19920110 - NIPPON STEEL CORP
- [A] JP S61227153 A 19861009 - SUMITOMO METAL IND
- [A] US 5480609 A 19960102 - DUPOIRON FRANCOIS [FR], et al

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 2947171 A1 20151125; CA 2891861 A1 20151120; RU 2015118728 A 20161210; US 2015337419 A1 20151126

DOCDB simple family (application)
EP 15168453 A 20150520; CA 2891861 A 20150519; RU 2015118728 A 20150519; US 201414282746 A 20140520