

Title (en)
AUSTENITIC STAINLESS STEEL

Title (de)
AUSTENITISCHER EDELSTAHL

Title (fr)
ACIER INOXYDABLE AUSTÉNITIQUE

Publication
EP 1941070 A2 20080709 (EN)

Application
EP 06851605 A 20060407

Priority

- US 2006013175 W 20060407
- US 68740005 P 20050603
- US 27027905 A 20051109

Abstract (en)
[origin: US2006275168A1] Embodiments of an austenitic stainless steel include, in weight percentages based on total weight of the steel: 0.05 to 0.2 carbon; 0.08 to 0.2 nitrogen; 20 to 23 chromium; 25 to 27 nickel; 1 to 2 molybdenum; greater than 1.5 to 4.0 manganese; 0.20 to 0.75 niobium; up to 0.1 titanium; iron; and incidental impurities. Certain other embodiments of an austenitic stainless steel include, in weight percentages based on total weight of the steel: 0.05 to 0.2 carbon; 0.08 to 0.2 nitrogen; 20 to 23 chromium; 25 to 27 nickel; 1 to 2 molybdenum; up 4.0 manganese; 0.20 to 0.75 niobium; at least one of no greater than 0.1 titanium and no greater than 0.1 aluminum; iron; and incidental impurities.

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

CPC (source: EP KR US)
C21D 6/004 (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/40** (2013.01 - KR); **C22C 38/44** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US)

Citation (search report)
See references of WO 2008041961A2

Cited by
WO2023061673A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
US 2006275168 A1 20061207; AU 2006344097 A1 20080410; AU 2006344097 B2 20110707; BR PI0607922 A2 20091020; BR PI0607922 B1 20170912; DK 1941070 T3 20160111; EP 1941070 A2 20080709; EP 1941070 B1 20150930; ES 2551868 T3 20151124; JP 2008545889 A 20081218; JP 5068760 B2 20121107; KR 101412893 B1 20140626; KR 20080053437 A 20080613; KR 20130043247 A 20130429; NO 20076693 L 20080229; RU 2007149031 A 20090720; RU 2429308 C2 20110920; WO 2008041961 A2 20080410; WO 2008041961 A3 20080529

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