

Title (en)

STAINLESS STEEL PRODUCT, USE OF THE PRODUCT AND METHOD OF ITS MANUFACTURE

Title (de)

EDELSTAHLPRODUKT, VERWENDUNG DES PRODUKTS UND HERSTELLUNGSVERFAHREN

Title (fr)

PRODUIT EN ACIER INOXYDABLE, UTILISATION DE CE PRODUIT, ET PROCÉDÉ DE FABRICATION CORRESPONDANT

Publication

**EP 2279276 B1 20200325 (EN)**

Application

**EP 09745895 A 20090514**

Priority

- FI 2009050397 W 20090514
- FI 20080360 A 20080516

Abstract (en)

[origin: WO2009138570A1] The invention relates to a stainless steel product, particularly to a duplex stainless steel casting with high machinability, to the use of the product and to the method to produce the product. The product contains in weight percent up to 0,07% carbon, up to 2% silicon, 3-8% manganese, 19-23% chromium, 0,5-1,7% nickel, up to 1% of molybdenum and/or tungsten with the formula (Mo+1/2W) less than 1%, up to 1% copper and 0,15-0,30% nitrogen, the remainder being iron and incidental impurities.

IPC 8 full level

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CPC (source: EP FI US)

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Citation (examination)

SCHRAMM BERND ET AL: "Lean Duplex stainless steels for pump applications", STAINLESS STEEL WORLD 2007 : SSW 2007 ; [CONFERENCE AND EXHIBITION ; MAASTRICHT, THE NETHERLANDS, 6 - 8 NOVEMBER 2007] ; CONFERENCE PAPERS, KCI PUBL, NL; MAASTRICHT, NETHERLANDS, 1 January 2007 (2007-01-01), pages 1 - 10, XP008163766

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DE102012100908A1; WO2013113718A1

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**WO 2009138570 A1 20091119**; AU 2009247934 A1 20091119; AU 2009247934 B2 20141106; BR PI0912807 A2 20151013; BR PI0912807 B1 20190820; CA 2722236 A1 20091119; CA 2722236 C 20191224; CN 102027147 A 20110420; CN 104988427 A 20151021; EA 027733 B1 20170831; EA 201001571 A1 20110630; EP 2279276 A1 20110202; EP 2279276 A4 20120328; EP 2279276 B1 20200325; ES 2797953 T3 20201204; FI 125458 B 20151015; FI 20080360 A0 20080516; FI 20080360 A 20091117; JP 2011523679 A 20110818; JP 5613152 B2 20141022; KR 20100133487 A 20101221; MX 2010012226 A 20101207; MX 343938 B 20161129; PL 2279276 T3 20201019; SI 2279276 T1 20200831; TW 200951232 A 20091216; TW I490345 B 20150701; US 2011064601 A1 20110317

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