

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

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Application

EP 09745895 A 20090514

Priority

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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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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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