

Title (en)

AUSTENITIC STAINLESS STEEL STRIP HAVING A BRIGHT SURFACE FINISH AND EXCELLENT MECHANICAL PROPERTIES

Title (de)

BAND AUS AUSTENITISCHEM NICHTROSTENDEM STAHL MIT GLÄNZENDEM OBERFLÄCHENFINISH UND HERVORRAGENDEN MECHANISCHEN EIGENSCHAFTEN

Title (fr)

BANDE EN ACIER INOXYDABLE AUSTENITIQUE PRESENTANT UN ASPECT DE SURFACE BRILLANT ET D'EXCELLENTE CARACTERISTIQUES MECANIQUE.

Publication

**EP 1899490 B1 20081210 (FR)**

Application

**EP 06743665 A 20060406**

Priority

- FR 2006000785 W 20060406
- EP 05291384 A 20050628
- EP 06743665 A 20060406

Abstract (en)

[origin: EP1739200A1] Austenitic stainless steel strip comprises (by %.wt): 0.025 = carbon = 0.15; 0.20 = silicon = 1.0; 0.50 = manganese = 2.0; 6.0 = nickel = 12.0; 16.0 = chromium = 20.0; molybdenum = 3.0; 0.030 = nitrogen = 0.16; copper = 0.50; phosphorus = 0.50; sulfur = 0.015; possibly 0.10 = vanadium (V) and 0.03 = niobium (Nb) = 0.50, with 0.10 = Nb + V = 0.50; remainder being iron and production impurities, of which the average grain size of the austenite is less than or equal to 4  $\mu$ m and the surface has a brilliance greater than 50. An independent claim is also included for the continuous fabrication of the austenitic stainless steel strip.

IPC 8 full level

**C22C 38/44** (2006.01); **C21D 8/04** (2006.01); **C21D 9/48** (2006.01); **C22C 38/42** (2006.01); **C22C 38/46** (2006.01); **C22C 38/58** (2006.01); **C23G 1/08** (2006.01); **C25F 1/06** (2006.01)

CPC (source: EP KR US)

**C21D 8/02** (2013.01 - KR); **C21D 8/0205** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/40** (2013.01 - KR); **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); **C25F 1/06** (2013.01 - EP US)

Cited by

WO2013107922A1; EP3878983A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1739200 A1 20070103**; AT E417135 T1 20081215; BR PI0613998 A2 20110301; BR PI0613998 B1 20140520; CN 101384744 A 20090311; DE 602006004213 D1 20090122; DK 1899490 T3 20090302; EP 1899490 A1 20080319; EP 1899490 B1 20081210; ES 2317540 T3 20090416; JP 2009503246 A 20090129; KR 101004597 B1 20101228; KR 20080034852 A 20080422; MX 2007015786 A 20080215; PT 1899490 E 20090130; RU 2361929 C1 20090720; SI 1899490 T1 20090430; US 2009202380 A1 20090813; US 8268101 B2 20120918; WO 2007003725 A1 20070111; ZA 200711238 B 20081231

DOCDB simple family (application)

**EP 05291384 A 20050628**; AT 06743665 T 20060406; BR PI0613998 A 20060406; CN 200680023466 A 20060406; DE 602006004213 T 20060406; DK 06743665 T 20060406; EP 06743665 A 20060406; ES 06743665 T 20060406; FR 2006000785 W 20060406; JP 2008518892 A 20060406; KR 20077030554 A 20060406; MX 2007015786 A 20060406; PT 06743665 T 20060406; RU 2008102981 A 20060406; SI 200630172 T 20060406; US 99427506 A 20060406; ZA 200711238 A 20071207