

Title (en)

AUSTENITIC STAINLESS STEEL EXCELLENT IN INTERGRANULAR CORROSION RESISTANCE AND STRESS CORROSION CRACKING RESISTANCE, AND METHOD FOR PRODUCING AUSTENITIC STAINLESS STEEL

Title (de)

AUSTENITISCHER EDELSTAHL MIT HERVORRAGENDER BESTÄNDIGKEIT GEGENÜBER KORNGRENZKORROSION UND SPANNUNGSRISIKORROSION SOWIE VERFAHREN ZUR HERSTELLUNG DES AUSTENITISCHEN EDELSTAHL

Title (fr)

ACIER INOXYDABLE AUSTÉNITIQUE POSSÉDANT D'EXCELLENTE PROPRIÉTÉS DE RÉSISTANCE À LA CORROSION INTERGRANULAIRE ET DE RÉSISTANCE À LA FISSURATION PAR CORROSION SOUS CONTRAINTES, ET PROCÉDÉ DE PRODUCTION D'ACIER INOXYDABLE AUSTÉNITIQUE

Publication

EP 2143815 B1 20140108 (EN)

Application

EP 08752039 A 20080424

Priority

- JP 2008057940 W 20080424
- JP 2007117981 A 20070427
- JP 2008015094 A 20080125

Abstract (en)

[origin: EP2143815A1] An austenitic stainless steel excellent in intergranular corrosion resistance and stress corrosion cracking resistance, comprising: C: 0.005 wt% or less; Si: 0.5 wt% or less; Mn: 0.5 wt% or less; P: 0.005 wt% or less; S: 0.005 wt% or less; Ni: 15.0 to 40.0 wt%, Cr: 20.0 to 30.0 wt%, N: 0.01 wt% or less; O: 0.01 wt% or less; and the balance of Fe and inevitable impurities, wherein the content of B included in the inevitable impurities is 3 wt ppm or less.

IPC 8 full level

C22C 38/00 (2006.01); **B21B 3/02** (2006.01); **C21D 8/02** (2006.01); **C22C 38/50** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP KR US)

C21D 6/004 (2013.01 - EP KR US); **C21D 8/021** (2013.01 - EP KR US); **C21D 8/0226** (2013.01 - EP US); **C21D 8/0236** (2013.01 - EP KR US); **C22C 38/004** (2013.01 - KR); **C22C 38/40** (2013.01 - EP KR US); **C22C 38/50** (2013.01 - EP KR US); **C22C 38/54** (2013.01 - EP KR US); **C21D 2211/001** (2013.01 - EP KR US)

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