

Title (en)  
ROLLED AUSTENITE STAINLESS STEEL PLATE HAVING THICKNESS OF 100 mm OR MORE AND METHOD FOR PRODUCTION THEREOF

Title (de)  
GEWALZTE PLATTE AUS NICHTROSTENDEM AUSTENITSTAHL MIT EINER DICKE VON 100 MM ODER MEHR UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
PLAQUE EN ACIER INOXYDABLE EN AUSTÉNITE ROULÉE AYANT UNE ÉPAISSEUR SUPÉRIEURE OU ÉGALE À 100 mm ET PROCÉDÉ DE PRODUCTION DE CELLE-CI

Publication  
**EP 2042616 B1 20170823 (EN)**

Application  
**EP 07767966 A 20070625**

Priority  
• JP 2007063186 W 20070625  
• JP 2006192702 A 20060713

Abstract (en)  
[origin: EP2042616A1] Austenitic stainless rolled steel plate of a thickness of 100 mm or more, characterised by : containing, by mass%, C: 0.08% or less, N: 0.10% to 0.22%, C+N: 0.12% or more, Si: 0.01% to 2.0%, Mn: 0.1% to 2.0%, Cr: 15% to 27%, Ni: 8% to 20%, Mo: 4% or less, Co: 0.1% or less, Cu: 0.1% to 3%, Al: 0.001% to 0.10%, and Ca: 0.0005% to 0.01%, having a calculated value of the amount of  $\delta$ -ferrite defined by the following (I) formula ( $\delta$ cal; vol%) of -7% to 4%, and having an elongation in the width direction and length direction at any location in the thickness direction of 30% or more:  $\delta$ cal vol % =  $2.9 \times \text{Cr} + 0.3 \text{ Si} + \text{Mo} - 2.6 \times \text{Ni} + 0.3 \times \text{Mn} + 0.25 \times \text{Cu} + 35 \times \text{C} + 20 \times \text{N} - 18$  where [element abbreviations] means the content of the element (mass%), and the elongation is the value measured at 4K.

IPC 8 full level  
**C22C 38/00** (2006.01); **B21B 1/02** (2006.01); **B21B 1/38** (2006.01); **B21B 3/02** (2006.01); **C21D 6/00** (2006.01); **C21D 8/02** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR)  
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**EP 2042616 A1 20090401**; **EP 2042616 A4 20160518**; **EP 2042616 B1 20170823**; CN 101341271 A 20090107; CN 101341271 B 20110921; JP 2008019479 A 20080131; JP 5116265 B2 20130109; KR 100987176 B1 20101011; KR 20080034951 A 20080422; WO 2008007572 A1 20080117

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