

Title (en)  
USE OF AN AUSTENITIC STAINLESS STEEL

Title (de)  
VERWENDUNG VON AUSTENITISCHEM NICHTROSTENDEM STAHL

Title (fr)  
ACIER INOXYDABLE AUSTENITIQUE

Publication  
**EP 1432839 B1 20070620 (EN)**

Application  
**EP 02780214 A 20020925**

Priority  
• SE 0201749 W 20020925  
• SE 0103234 A 20010925

Abstract (en)  
[origin: WO03027344A1] Austenitic alloy with following composition, in weight-percent: Cr 23-30, Ni 25-35, Mo 2.0-6.0, Mn 1.0-6.0, N 0-0.4, C up to 0.05, Si up to 1.0, S up to 0.02, Cu up to 3.0, W 0-6.0, one or more element of Mg, Ce, Ca, B, La, Pr, Zr, Ti, Nd up to 2.0 and balance Fe and normally occurring impurities and additions as wire in oil- and gasextraction, specially reinforcement wire in the application wirelines and which shows a combination of good corrosion resistance and good mechanical properties, especially a tensile strength of at least 310 kpsi at diameters of 1.0 mm and thinner.

IPC 8 full level  
**C22C 38/44** (2006.01); **C22C 30/00** (2006.01); **C22C 38/00** (2006.01); **C22C 38/42** (2006.01); **C22C 38/58** (2006.01); **C21D 8/06** (2006.01)

CPC (source: EP US)  
**C22C 38/004** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **C21D 8/065** (2013.01 - EP US)

Cited by  
EP2194152A4

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 03027344 A1 20030403; WO 03027344 A8 20040422**; AT E365236 T1 20070715; DE 60220809 D1 20070802; DE 60220809 T2 20080306; EP 1432839 A1 20040630; EP 1432839 B1 20070620; SE 0103234 D0 20010925; SE 0103234 L 20030326; SE 527177 C2 20060117; US 2005028893 A1 20050210

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