

Title (en)  
USE OF AN AUSTENITIC STAINLESS STEEL

Title (de)  
VERWENDUNG VON AUSTENITISCHEM NICHTROSTENDEM STAHL

Title (fr)  
ACIER INOXYDABLE AUSTENITIQUE

Publication  
**EP 1432839 A1 20040630 (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 1-7  
**C22C 38/44**; **C22C 30/00**

IPC 8 full level  
**C22C 38/00** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (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  
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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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**SE 0201749 W 20020925**; AT 02780214 T 20020925; DE 60220809 T 20020925; EP 02780214 A 20020925; SE 0103234 A 20010925; US 49063304 A 20041006