

Title (en)  
NON-MAGNETIC CORROSION RESISTANT HIGH STRENGTH STEELS

Title (de)  
NICHTMAGNETISCHER STAHL MIT HOHER KORROSIONSBESTÄNDIGKEIT UND HOHER FESTIGKEIT

Title (fr)  
ACIERS NON MAGNETIQUES A HAUTE RESISTANCE MECANIQUE ET HAUTE RESISTANCE A LA CORROSION

Publication  
**EP 1051529 B1 20011212 (EN)**

Application  
**EP 98946594 A 19981008**

Priority  
• GB 9803029 W 19981008  
• GB 9723242 A 19971105

Abstract (en)  
[origin: GB2331103A] A first steel comprises 0-0.05 weight % carbon, 0-1.0 weight % silicon, 10.0-20.0 weight % manganese, 13.5-18.0 weight % chromium, 1.0-4.0 weight % nickel, 1.5-3.5 weight % molybdenum and 0.2-0.4 weight % nitrogen. A second steel comprises 0-0.2 weight % carbon, 0-1.0 weight % silicon, 10.0-20.0 weight % manganese, 13.5-18.0 weight % chromium, 1.0-7.0 weight % nickel, 1.5-4.0 weight % molybdenum and 0.2-0.4 weight % nitrogen where nickel equivalence/(chromium equivalence - 1Å4) > 1.51 and nickel equivalence + chromium equivalence > 35. Such steels may be used as drill collars in oil and gas drills.

IPC 1-7  
**C22C 38/00**; **C22C 38/58**

IPC 8 full level  
**C22C 38/58** (2006.01)

CPC (source: EP)  
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