

Title (en)

NON-MAGNETIC STEEL HAVING HIGH CORROSION RESISTANCE AND HIGH STRENGTH FOR USE AS MATERIAL OF DRILL COLLAR, AND DRILL COLLAR MADE OF THE STEEL

Publication

**EP 0183536 B1 19890830 (EN)**

Application

**EP 85308615 A 19851127**

Priority

JP 25190884 A 19841130

Abstract (en)

[origin: EP0183536A2] A non-magnetic steel alloy having high corrosion resistance and high strength suitable for use as the material of a drill collar which operates under corrosive conditions, particularly under the conditions which cause stress corrosion cracking, and a drill collar made of the steel alloy. The steel alloy has a composition which essentially consists of: not greater than 0.02% of C, not greater than 2.0% of Si, not greater than 2.0% of Mn, 25 to 40% of Ni, 18 to 30% of Cr, 0.1 to 1.5% of Al, 1.5 to 3.0% of Ti, 0.0005 to 0.020% of Ca, not greater than 0.020% of N and the balance Fe and incidental impurities, and a drill collar made of the steel.

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