

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.

Title (de)

Nichtmagnetischer Stahl mit hoher Korrosionsbeständigkeit und hoher Festigkeit für Verwendung in Schwerstange und Schwerstange aus diesem Werkstoff.

Title (fr)

Acier magnétique à haute résistance à la corrosion et à haute résistance mécanique pour masse-tige de forage et masse-type fabriquée avec cet acier.

Publication

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Application

EP 85308615 A 19851127

Priority

JP 25190884 A 19841130

Abstract (en)

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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IPC 8 full level

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Cited by

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