

Title (en)

SOFT-NITRIDING STEEL AND SOFT-NITRIDED COMPONENT USING STEEL AS MATERIAL

Title (de)

WEICHNITRIERUNGSSTAHL UND WEICHNITRIERTE KOMPONENTE UNTER VERWENDUNG VON STAHL ALS MATERIAL

Title (fr)

ACIER À NITRURATION MODÉRÉE ET MATIÈRE D'ACIER UTILISANT UN COMPOSANT À NITRURATION MODÉRÉE

Publication

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Application

EP 13748467 A 20130215

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Abstract (en)

[origin: EP2816128A1] According to the present invention, it is possible to obtain steel for nitrocarburizing having a predetermined chemical composition, a bainite area ratio exceeding 50 % and excellent machinability by cutting before nitrocarburizing, and having strength and toughness equivalent to conventional steel, such as SCr420 carburized steel material, and excellent fatigue properties after nitrocarburizing.

IPC 8 full level

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CPC (source: EP KR US)

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