

Title (en)
STEEL, AND PROCESSING METHOD FOR THE PRODUCTION OF HIGHER-STRENGTH FRACTURE-SPLITTABLE MACHINE COMPONENTS

Title (de)
STAHL UND VERARBEITUNGSVERFAHREN FÜR DIE HERSTELLUNG VON HÖHERFESTEN BRUCHTRENNBAREN MASCHINENBAUTEILEN

Title (fr)
ACIER ET PROCÉDÉ DE TRANSFORMATION POUR PRODUIRE DES PIÈCES MÉCANIQUES POUVANT ÊTRE SÉPARÉES PAR RUPTURE PRÉSENTANT UNE RÉSISTANCE ACCRUE

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Application
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Abstract (en)
[origin: CA2666677A1] The invention relates to a steel and a processing method for higher-strength fracture-splittable machine components that are composed of at least two fracture-splittable parts. Said steel and method are characterized in that the chemical composition of the steel (expressed in percent by weight) is as follows: 0.40% ≤ C ≤ 0.60%; 0.20% ≤ Si ≤ 1.00%; 0.50% ≤ Mn ≤ 1.50%; 0% ≤ Cr ≤ 1.00%; 0% ≤ Ni ≤ 0.50%; 0% ≤ Mo ≤ 0.20%; 0% ≤ Nb ≤ 0.050%; 0% ≤ V ≤ 0.30%; 0% ≤ Al ≤ 0.05%; 0.005% ≤ N ≤ 0.020%, the rest being composed of iron and smelting-related impurities and residual matter.

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C22C 38/12 (2006.01)

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