

Title (en)

WIRE ROD HAVING SUPERIOR HYDROGEN DELAYED FRACTURE RESISTANCE, METHOD FOR MANUFACTURING SAME, HIGH STRENGTH BOLT USING SAME AND METHOD FOR MANUFACTURING BOLT

Title (de)

WALZDRAHT MIT HERVORRAGENDER WASSERSTOFFVERZÖGERTER BRUCHFESTIGKEIT, HERSTELLUNGSVERFAHREN DAFÜR, HOCHFESTER SCHRAUBBOLZEN DAMIT UND VERFAHREN ZUR HERSTELLUNG DES BOLZENS

Title (fr)

FIL MACHINE PRÉSENTANT UNE RÉSISTANCE SUPÉRIEURE À LA RUPTURE DIFFÉRÉE PAR HYDROGÈNE, SON PROCÉDÉ DE FABRICATION, BOULON À HAUTE RÉSISTANCE UTILISANT LEDIT FIL ET PROCÉDÉ DE FABRICATION DU BOULON

Publication

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Application

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Abstract (en)

The present invention relates to a wire rod used in bolts for automobile engines, for example, and more specifically to a wire rod having an improved resistance to hydrogen delayed fracture, to a manufacturing method for same, to a bolt using same and a method for manufacturing the bolt. Provided are a high strength wire rod having a superior resistance to hydrogen delayed fracture and a method for manufacturing same, a high strength bolt using the wire rod and a method for manufacturing same, wherein the wire rod comprises, 0.3-0.7 wt% C, 0.05-2.0 wt% Si, 0.7-1.5 wt% Mn, 0.01-0.1 wt% Ni, and 30-70 ppm La, and the remainder thereof is comprised by Fe and inevitable impurities.

IPC 8 full level

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