

Title (en)

RETENTION OF MECHANICAL PROPERTIES IN STEEL ALLOYS AFTER PROCESSING AND IN THE PRESENCE OF STRESS CONCENTRATION SITES

Title (de)

ERHALTUNG DER MECHANISCHEN EIGENSCHAFTEN IN STAHLLEGIERUNGEN NACH DER VERARBEITUNG UND BEI VORHANDENSEIN VON SPANNUNGSKONZENTRATIONSTELLEN

Title (fr)

RÉTENTION DE PROPRIÉTÉS MÉCANIQUES DANS DES ALLIAGES D'ACIER APRÈS TRAITEMENT ET EN PRÉSENCE DE SITES DE CONCENTRATION DE CONTRAINTES

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Application

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Abstract (en)

[origin: US2019003003A1] This invention is related to retention of mechanical properties in high strength steel at reduced thicknesses and which mechanical property performance is also retained at relatively high strain rates. These new steels can offer advantages for a myriad of applications where reduced sheet thickness is desirable. In addition, the alloys herein are those that retain useful mechanical properties after introduction of a geometric discontinuity and an accompanying stress concentration.

IPC 8 full level

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