

Title (en)

Two-step aging treatment for Ni-Cr-Mo alloys

Title (de)

Zweistufiges Alterungsverfahren für Ni-Cr-Mo Legierungen

Title (fr)

Procédé de vieillissement en deux étapes d'alliages Ni-Cr-Mo

Publication

EP 1270754 B1 20120425 (EN)

Application

EP 02014216 A 20020626

Priority

- US 89417901 A 20010628
- US 16565002 A 20020607

Abstract (en)

[origin: EP1270754A1] A two step heat treatment for Ni-Cr-Mo alloys containing from 12% to 23.5% chromium provides higher yield strength, high tensile strength and other mechanical properties comparable to those observed in similar alloys age-hardened according to current practices. This treatment is done over a total time of not more than 50 hours. However, the treatment works for only those alloys having alloying elements present in amounts according to an equation here disclosed.

IPC 8 full level

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CPC (source: EP KR)

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Cited by

EP1887095A1; CN107204470A; EP3950177A4; EP1512767A1; US11821059B2; US9011764B2; US10892491B2; US11539051B2

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