

Title (en)

NICKEL BASED ALLOY USEFUL FOR VALVE SEAT INSERTS

Title (de)

LEGIERUNG AUF NICKELBASIS FÜR VENTILSITZEINSÄTZE

Title (fr)

ALLIAGE À BASE DE NICKEL UTILE POUR INSERTS DE SIÈGE DE SOUPAPE

Publication

EP 2430204 B1 20180704 (EN)

Application

EP 10767419 A 20100421

Priority

- US 2010001177 W 20100421
- US 42983709 A 20090424

Abstract (en)

[origin: US2010272597A1] Disclosed herein is a nickel based alloy comprising, in weight percentage: carbon from about 0.5 to about 1.5; chromium from about 25 to about 35; tungsten from about 12 to about 18; iron from about 3.5 to about 8.5; molybdenum from about 1 to about 8; manganese up to about 0.50; silicon up to about 1.0; and the balance nickel and incidental impurities. The alloy is suitable for valve seat insert applications in internal combustion engines.

IPC 8 full level

C22C 19/05 (2006.01)

CPC (source: EP US)

C22C 19/053 (2013.01 - EP US); **C22C 19/055** (2013.01 - EP US); **F01L 3/02** (2013.01 - EP US); **F01L 2301/00** (2020.05 - EP US); **F01L 2820/01** (2013.01 - EP US)

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