

Title (en)

Method of nitriding nickel alloy.

Title (de)

Verfahren zum Nitrieren von einer Nickel-Legierung.

Title (fr)

Procédé de nitruration d'un alliage de nickel.

Publication

EP 0551702 A1 19930721 (EN)

Application

EP 92302169 A 19920313

Priority

JP 2476392 A 19920114

Abstract (en)

A method of nitriding nickel alloy comprising heating nickel alloy in an atmosphere of fluorine- or fluoride-containing gas to fluorinate the nickel alloy and heating the fluorinated nickel alloy in a nitriding atmosphere. The nitrided nickel alloy has an improved surface hardness with a deep uniform nitrided layer on its surface.

IPC 1-7

C23C 8/34

IPC 8 full level

C23C 8/02 (2006.01); **C23C 8/24** (2006.01); **C23C 8/34** (2006.01)

CPC (source: EP KR)

C23C 8/34 (2013.01 - EP); **C23C 8/36** (2013.01 - KR)

Citation (search report)

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- [A] EP 0352061 A2 19900124 - HASHIMOTO CHEMICAL IND [JP]
- [A] US 3129124 A 19640414 - BARNEY DUANE L
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 98 (C-221)(1535) 9 May 1984 & JP-A-59 13 065 (FUJITSU) 23 January 1984

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EP 0551702 A1 19930721; **EP 0551702 B1 19980610**; CN 1032264 C 19960710; CN 1074489 A 19930721; DE 69225880 D1 19980716; DE 69225880 T2 19981217; JP 2501062 B2 19960529; JP H05195193 A 19930803; KR 100247657 B1 20000401; KR 930016559 A 19930826; TW 198070 B 19930111

DOCDB simple family (application)

EP 92302169 A 19920313; CN 92102171 A 19920330; DE 69225880 T 19920313; JP 2476392 A 19920114; KR 920004456 A 19920317; TW 81102766 A 19920410