

Title (en)

HARDENED STEEL SECURITY MATERIALS

Title (de)

SICHERHEITSMATERIAL AUS GEHÄRTETEM STAHL

Title (fr)

MATERIAUX DE SECURITE EN ACIER TREMPE

Publication

EP 1163063 A4 20020904 (EN)

Application

EP 00904691 A 20000128

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- AU PP836199 A 19990128
- AU PQ130199 A 19990630
- AU PQ193099 A 19990802

Abstract (en)

[origin: WO0044511A1] A hardened steel bar, sheet, plate or other shaped material suitable for security purposes is formed from a nitridable steel which has been subjected to austenitization, oil quenching, tempering and then nitriding to provide a hardened steel material having a surface hardness of at least about 50 HRC (Hardness Rockwell "C").

IPC 1-7

B21C 37/00; **C21D 1/18**; **C21D 9/00**; **C21D 9/08**; **C22C 38/18**; **E06B 9/01**; **C22C 38/22**; **C23C 8/26**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] GB 621890 A 19490421 - NITRALLOY CORP
- [A] EDITED BY J. R. DAVIS: "Carbon and alloy steels", March 1996, ASM INTERNATIONAL, USA, XP002200887
- [A] EDITED BY F. BRIAN PICKERING: "Constitution and properties of steels", 1992, VCH, WEINHEIM, XP002200888
- See references of WO 0044511A1

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CN110306150A

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