

Title (en)
Armour plate and process for its manufacture

Title (de)
Panzerblech und Verfahren zu seiner Herstellung

Title (fr)
Plaque de blindage et procédé pour sa fabrication

Publication
EP 1052296 A3 20020626 (DE)

Application
EP 00109687 A 20000508

Priority
DE 19921327 A 19990508

Abstract (en)
[origin: EP1052296A2] A hot rolled armor plate is made of a low carbon, low alloy steel containing carbonitride-forming vanadium as precipitation hardening element. A novel hot rolled armor plate consists of a steel of composition (by wt.) 0.15-0.20% C, 0.10-0.50% Si, 0.70-1.70% Mn, less than 0.02% P, less than 0.005% S, less than 0.01% N, 0.009-0.10% Al, 0.50-1.00% Cr, 0.20-0.70% Mo, 1.00-2.50% Ni, 0.05-0.25% V, balan Fe and impurities. An Independent claim is also included for production of the above armor plate by hot rolling, double austenitizing at 880-980 degrees C, quenching and tempering at 150-550 degrees C.

IPC 1-7
C21D 9/42; C21D 8/02; C22C 38/46

IPC 8 full level
C21D 8/02 (2006.01); **C21D 9/42** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); C21D 1/18 (2006.01); C21D 1/78 (2006.01)

CPC (source: EP)
C21D 8/0263 (2013.01); **C21D 9/42** (2013.01); **C22C 38/04** (2013.01); **C22C 38/06** (2013.01); **C22C 38/44** (2013.01); **C22C 38/46** (2013.01); C21D 1/18 (2013.01); C21D 1/78 (2013.01)

Citation (search report)

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- [XA] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08 29 September 1995 (1995-09-29)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 014, no. 265 (C - 0726) 8 June 1990 (1990-06-08)

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