Title (en)

Use of a steel for the manufacture of amour plates

Title (de)

Verwendung eines Stahls zur Herstellung von Panzerblech

Title (fr)

Utilisation d'un acier pour la fabrication de plaques de blindage

Publication

EP 1052296 B1 20041215 (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)

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EP 1052296 A2 20001115; **EP 1052296 A3 20020626**; **EP 1052296 B1 20041215**; AT E284977 T1 20050115; DE 50008938 D1 20050120; DK 1052296 T3 20050411; ES 2234476 T3 20050701

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