

Title (en)  
Material with high ballistic protection

Title (de)  
Werkstoff mit hoher ballistischer Schutzwirkung

Title (fr)  
Matériau de haute protection ballistique

Publication  
**EP 1321535 A3 20030813 (DE)**

Application  
**EP 02450278 A 20021209**

Priority  
• AT 19912001 A 20011219  
• AT 19922001 A 20011219

Abstract (en)  
[origin: EP1321535A2] Use of an alloy containing (in wt.%): 0.26-0.79 C, 0.2-1.2 Si, 0.2-0.9 Mn, 1.1-7.94 Cr, 0.56-3.49 Mo, 0.26-1.74 V and a balance of Fe as a material for products having a high ballistic protective action is new. The alloy contains P and S in a sum of less than 0.025 wt. %. The sum of the impurity elements As, Sb, Bi, Sn, Zn and B is less than 0.011. <??>Preferred Features: The alloy contains additions of (in wt.%): 0.36-0.64, preferably 0.41-0.58 C, 0.36-0.9, preferably 0.41-0.68 Si, 0.36-0.70, preferably 0.41-0.59 Mn, 1.1-7.94, preferably 2.61-5.2 Cr, 0.56-3.49, preferably 1.30-2.7 Mo, 0.26-1.74, preferably 0.39-0.83 V.

IPC 1-7  
**C22C 38/22**; **C22C 38/24**; **C22C 38/44**; **C22C 38/46**

IPC 8 full level  
**C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C22C 38/40** (2006.01); **C22C 38/44** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP US)  
**C22C 38/22** (2013.01 - EP US); **C22C 38/24** (2013.01 - EP US); **C22C 38/40** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **F41H 5/0442** (2013.01 - EP US)

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