

Title (en)  
METHOD FOR MANUFACTURING NITRIDED PARTS

Title (de)  
VERFAHREN ZUR HERSTELLUNG NITRIDIERTER FORMTEILE

Title (fr)  
PROCÉDÉ DE FABRICATION DE PIÈCES NITRURÉES

Publication  
**EP 1044287 B1 20111102 (FR)**

Application  
**EP 99946245 A 19990928**

Priority  
• FR 9902297 W 19990928  
• FR 9812209 A 19980930

Abstract (en)  
[origin: WO0018975A1] The invention concerns a steel composition comprising, expressed in wt.%: 0.2 to 0.4 % of C; 0.8 to 2 % of Cr; 0.6 to 2 % of Mo; 0.05 to 0.4 % of Al; and as the case may be, not more than 0.5 % of Si; not more than 1.5 % of Mn; not more than 1.5 % Ni; not more than 0.5 % of V; the rest consisting of iron and residual impurities; said composition Cr, Mo, V and Al contents expressed in wt.% satisfies the following relationship:  $4 \leq 3Cr + Mo + V + 2Al \leq 8$ . The invention also concerns a method for making treated and nitrided parts, made of said compositions.

IPC 8 full level  
**C22C 38/22** (2006.01); **C22C 38/06** (2006.01); **C22C 38/24** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C23C 8/26** (2006.01)

CPC (source: EP)  
**C22C 38/06** (2013.01); **C22C 38/22** (2013.01); **C22C 38/24** (2013.01); **C22C 38/44** (2013.01); **C22C 38/46** (2013.01); **C23C 8/26** (2013.01)

Cited by  
WO2013087379A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0018975 A1 20000406**; AT E531832 T1 20111115; CA 2312034 A1 20000406; CA 2312034 C 20100601; DK 1044287 T3 20111212; EP 1044287 A1 20001018; EP 1044287 B1 20111102; ES 2374261 T3 20120215; FR 2783840 A1 20000331; FR 2783840 B1 20001110

DOCDB simple family (application)  
**FR 9902297 W 19990928**; AT 99946245 T 19990928; CA 2312034 A 19990928; DK 99946245 T 19990928; EP 99946245 A 19990928; ES 99946245 T 19990928; FR 9812209 A 19980930