

Title (en)  
Hot-rolled steel strip and method for manufacturing the same

Title (de)  
Verfahren zur Herstellung eines warmgewalzten Stahlbandes

Title (fr)  
Procédé de la fabrication d'une bande d'acier laminée à chaud

Publication  
**EP 1375694 A1 20040102 (EN)**

Application  
**EP 03396059 A 20030618**

Priority  
FI 20021188 A 20020619

Abstract (en)  
A hot-rolled steel strip rolled to a final thickness that is at least 2 mm but no more than 12 mm, with a microstructure comprising at least 95 % martensite and/or bainite. The steel contains, in percentages by weight: 0.08 % - 0.16 % C, 0.5 % - 1.5% Cr and/or 0.1 % - 0.5 % Mo,  $\leq 0.015$  % S and  $\leq 0.03$  % P, 0.01 % - 0.08 % Al, as well as 0.6 % - 1.1 % Mn, and 0.1 % - 0.3 % Si, the rest being Fe and unavoidable impurities. The tensile strength of the steel strip is 700 Mpa - 1500 Mpa at a tensile elongation that has an A5 value of at least 6 %, and the yield strength is 600 Mpa - 1400 Mpa.

IPC 1-7  
**C22C 38/18**; **C22C 38/12**; **C21D 8/02**; **C21D 1/18**

IPC 8 full level  
**C21D 1/18** (2006.01); **C21D 8/02** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/12** (2006.01); **C22C 38/18** (2006.01); **C22C 38/22** (2006.01); **C22C 38/28** (2006.01)

CPC (source: EP)  
**C21D 8/0226** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/22** (2013.01); **C22C 38/28** (2013.01); **C21D 2211/002** (2013.01); **C21D 2211/008** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 668 (C - 1289) 16 December 1994 (1994-12-16)
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1375694 A1 20040102**; **EP 1375694 B1 20050427**; **EP 1375694 B2 20101117**; AT E294256 T1 20050515; DE 60300561 D1 20050602; DE 60300561 T2 20060223; DE 60300561 T3 20110609; ES 2238669 T3 20050901; ES 2238669 T5 20110512; FI 114484 B 20041029; FI 20021188 A0 20020619; FI 20021188 A 20031220; PT 1375694 E 20050729; SI 1375694 T1 20110331; SI 1375694 T2 20051031

DOCDB simple family (application)  
**EP 03396059 A 20030618**; AT 03396059 T 20030618; DE 60300561 T 20030618; ES 03396059 T 20030618; FI 20021188 A 20020619; PT 03396059 T 20030618; SI 200330048 T 20030618