

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 B1 20050427 (EN)**

Application  
**EP 03396059 A 20030618**

Priority  
FI 20021188 A 20020619

Abstract (en)  
[origin: EP1375694A1] 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)

Cited by  
EP1860205A1; CN102134680A; CN102439179A; EP2491157A4; CN103348020A; CN103097556A; US7960035B2; US8795442B2; US2009014095A1; US11732339B2; WO2021125386A1; WO2011154831A1; WO2010130871A1; WO2006013242A1; US10837079B2; JP2013147733A; CN102345048A; CN111356781A; EP3730647A4; US7846275B2; WO2013007729A1; US11225697B2; FR2872442A1; JP2022511066A; WO2019031773A1; KR20190016826A; KR102237488B1; EP3730647B1; EP2729590A1; EP2576848A1

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