

Title (en)
HIGH-HARDNESS STEEL PRODUCT AND METHOD OF MANUFACTURING THE SAME

Title (de)
HOCHHARTES STAHLPRODUKT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
PRODUIT D'ACIER À DURETÉ ÉLEVÉE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3719149 A1 20201007 (EN)

Application
EP 19185759 A 20190711

Priority
EP 19167552 A 20190405

Abstract (en)
A hot-rolled steel strip product comprising a composition consisting of, in terms of weight percentages, 0.14 % to 0.35 % C, 0 % to 0.5 % Si, 0.05 % to 0.40 % Mn, 0.1 % or less Al, 0.1 % to 0.4 % Cu, 0.2 % to 0.9 % Ni, 0.2 % to 0.9 % Cr, 0.2 % or less Mo, 0.005 % or less Nb, 0.035 % or less Ti, 0.05 % or less V, 0.0005 % to 0.0050 % B, 0.025 % or less P, 0.008 % or less S, 0.01 % or less N, 0.01 % or less Ca, and the remainder being Fe and inevitable impurities, wherein the steel product has a Brinell hardness in the range of 420 to 580 HBW.

IPC 8 full level
C21D 8/02 (2006.01); **C22C 38/04** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP KR US)
C21D 1/00 (2013.01 - EP); **C21D 6/004** (2013.01 - US); **C21D 6/005** (2013.01 - US); **C21D 6/008** (2013.01 - US); **C21D 8/0205** (2013.01 - US); **C21D 8/0226** (2013.01 - EP KR US); **C21D 8/0263** (2013.01 - EP US); **C21D 8/0273** (2013.01 - KR); **C21D 9/52** (2013.01 - US); **C22C 38/001** (2013.01 - KR US); **C22C 38/002** (2013.01 - US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - US); **C22C 38/08** (2013.01 - EP); **C22C 38/105** (2013.01 - EP); **C22C 38/12** (2013.01 - EP); **C22C 38/14** (2013.01 - EP); **C22C 38/16** (2013.01 - EP); **C22C 38/20** (2013.01 - US); **C22C 38/22** (2013.01 - US); **C22C 38/24** (2013.01 - US); **C22C 38/26** (2013.01 - US); **C22C 38/28** (2013.01 - US); **C22C 38/42** (2013.01 - EP KR US); **C22C 38/44** (2013.01 - EP KR US); **C22C 38/46** (2013.01 - KR US); **C22C 38/48** (2013.01 - KR US); **C22C 38/50** (2013.01 - KR US); **C22C 38/54** (2013.01 - EP KR US); **C21D 2211/008** (2013.01 - EP KR)

Citation (applicant)
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Citation (search report)
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Designated contracting state (EPC)
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