

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

Title (de)
HOCHFESTES STAHLPRODUKT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
PRODUIT EN ACIER À HAUTE RÉSISTANCE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3884077 A1 20210929 (EN)

Application
EP 19808728 A 20191119

Priority
• SE 1851432 A 20181119
• EP 2019081761 W 20191119

Abstract (en)
[origin: WO2020104437A1] A high strength steel sheet with an ultimate tensile strength (Rm) of at least 950 MPa and a thickness accuracy better than 1/5 of EN 10143:2006 normal thickness tolerances, which steel sheet has a composition consisting of, in terms weight percentages, 0.07 % -0.13 % C, 0.1 % -0.3 % Si, 2.3 % -3.0 % Mn, 0.2 % -0.5 % Cr, 0.02 % -0.05 % Ti, 0.002 % -0.01 % B, ≤ 0.2 % Mo, ≤ 0.2 % V, ≤ 0.2 % Cu, ≤ 0.5 % Ni, ≤ 0.005 % Ca, ≤ 0.1 % Al, ≤ 0.05 % P, ≤ 0.01 % S, ≤ 0.008 % N and the remainder being Fe and inevitable impurities.

IPC 8 full level
C22C 38/00 (2006.01); **B21B 1/22** (2006.01); **C21D 6/00** (2006.01); **C21D 8/04** (2006.01); **C21D 9/48** (2006.01); **C22C 38/02** (2006.01); **C22C 38/06** (2006.01); **C22C 38/22** (2006.01); **C22C 38/28** (2006.01); **C22C 38/32** (2006.01); **C22C 38/38** (2006.01); **C23C 2/00** (2006.01)

CPC (source: EP US)
C21D 6/002 (2013.01 - EP); **C21D 6/005** (2013.01 - EP); **C21D 8/0426** (2013.01 - EP); **C21D 8/0463** (2013.01 - EP); **C21D 8/0473** (2013.01 - EP); **C21D 9/48** (2013.01 - EP); **C22C 38/002** (2013.01 - EP); **C22C 38/02** (2013.01 - EP); **C22C 38/06** (2013.01 - EP); **C22C 38/22** (2013.01 - EP); **C22C 38/28** (2013.01 - EP); **C22C 38/32** (2013.01 - EP); **C22C 38/38** (2013.01 - EP); **C23C 2/02** (2013.01 - EP US); **C23C 2/0224** (2022.08 - EP US); **C23C 2/024** (2022.08 - EP US); **C23C 2/06** (2013.01 - EP); **C23C 2/29** (2022.08 - EP US); **C21D 2211/002** (2013.01 - EP); **C21D 2211/005** (2013.01 - EP); **C21D 2211/008** (2013.01 - EP)

Citation (search report)
See references of WO 2020104437A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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