

Title (en)

STEEL STRIP, SHEET OR BLANK HAVING IMPROVED FORMABILITY AND METHOD TO PRODUCE SUCH STRIP

Title (de)

STAHLBAND, BLECH ODER ROHLING MIT VERBESSERTER VERFORMBARKEIT UND VERFAHREN ZUR HERSTELLUNG SOLCH EINES BANDES

Title (fr)

BANDE, TÔLE OU FLAN D'ACIER AYANT UNE APTITUDE AU FORMAGE AMÉLIORÉE ET PROCÉDÉ POUR PRODUIRE UNE TELLE BANDE

Publication

EP 3791000 A1 20210317 (EN)

Application

EP 19721632 A 20190507

Priority

- EP 18171327 A 20180508
- EP 2019061658 W 20190507

Abstract (en)

[origin: WO2019215132A1] The invention relates to a steel strip, sheet or blank consisting of the following elements (in wt%): 0.05 - 0.20 C 0.10 – 0.70 Si 0.80 - 2.50 Mn 0.01 - 0.10 Al 0.07 - 0.25 Ti 0.10 - 0.35 V 0.05 - 0.40 Mo optionally 0.02 - 0.10 Nb optionally 0.01 - 0.80 Cr at most 0.06 P at most 0.01 S at most 0.01 N at most 0.05 Ca the balance consisting of inevitable impurities and Fe, wherein the steel has a microstructure of at least 90% ferrite, the remainder being cementite and/or pearlite.

IPC 8 full level

C21D 8/02 (2006.01); **C21D 9/46** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01)

CPC (source: EP)

C21D 8/0226 (2013.01); **C21D 8/0236** (2013.01); **C21D 8/0263** (2013.01); **C21D 8/0273** (2013.01); **C21D 9/46** (2013.01); **C22C 38/12** (2013.01); **C22C 38/14** (2013.01); **C21D 2211/004** (2013.01); **C21D 2211/005** (2013.01)

Citation (search report)

See references of WO 2019215132A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019215132 A1 20191114; CN 112166203 A 20210101; EP 3791000 A1 20210317; EP 3791000 B1 20230809

DOCDB simple family (application)

EP 2019061658 W 20190507; CN 201980035171 A 20190507; EP 19721632 A 20190507