

Title (en)
STEEL STRIP, SHEET OR BLANK FOR PRODUCING A HOT-STAMPED PART, PART, AND METHOD FOR HOT-STAMPING A BLANK INTO A PART

Title (de)
STAHLBAND, -BLECH ODER -ROHLING ZUR HERSTELLUNG EINES WARMUMGEFORMTEN TEILS, TEIL UND VERFAHREN ZUM WARMUMFORMEN EINES ROHLINGS IN EIN TEIL

Title (fr)
BANDE, TÔLE OU ÉBAUCHE EN ACIER POUR LA FABRICATION D'UNE PIÈCE ESTAMPÉE À CHAUD, ET PROCÉDÉ D'ESTAMPAGE À CHAUD D'UNE ÉBAUCHE POUR FORMER UNE PIÈCE

Publication
EP 3976846 A1 20220406 (EN)

Application
EP 20727672 A 20200528

Priority
• EP 19177069 A 20190528
• EP 2020064803 W 20200528

Abstract (en)
[origin: WO2020239891A1] The present invention relates to a steel strip, sheet or blank for producing hot-stamped parts having the following composition in wt%: C: < 0.20, Mn: 0.65 - 3.0, 5 W: 0.10 - 0.60, and optionally one or more of the elements selected from: Si: < 0.10, Mo: ≤ 0.10, Al: ≤ 0.10, 10 Cr: ≤ 0.10, Cu: ≤ 0.10, N: ≤ 0.010, P: ≤ 0.030, S: ≤ 0.025, 15 O: ≤ 0.01, Ti: ≤ 0.02, V: ≤ 0.15, Nb: ≤ 0.01, B: ≤ 0.0005, 20 the remainder being iron and unavoidable impurities.

IPC 8 full level
C22C 38/04 (2006.01); **B21D 22/02** (2006.01); **C21D 1/18** (2006.01); **C21D 1/673** (2006.01); **C22C 18/04** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/06** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C23C 2/06** (2006.01); **C23C 2/12** (2006.01); **C23C 2/26** (2006.01); **C23C 2/28** (2006.01)

CPC (source: CN EP KR US)
B21D 22/022 (2013.01 - CN KR); **B21D 37/16** (2013.01 - CN); **C21D 1/18** (2013.01 - EP); **C21D 1/673** (2013.01 - EP KR); **C22C 18/04** (2013.01 - EP); **C22C 38/001** (2013.01 - EP KR); **C22C 38/002** (2013.01 - EP); **C22C 38/02** (2013.01 - CN EP); **C22C 38/04** (2013.01 - CN EP); **C22C 38/06** (2013.01 - CN EP); **C22C 38/12** (2013.01 - CN EP); **C22C 38/14** (2013.01 - CN EP); **C22C 38/20** (2013.01 - KR); **C22C 38/22** (2013.01 - CN KR); **C22C 38/24** (2013.01 - CN KR); **C22C 38/26** (2013.01 - CN); **C22C 38/28** (2013.01 - CN KR); **C22C 38/32** (2013.01 - CN); **C22C 38/38** (2013.01 - KR); **C23C 2/06** (2013.01 - EP KR); **C23C 2/12** (2013.01 - EP KR); **C23C 2/26** (2013.01 - CN EP US); **C23C 2/28** (2013.01 - CN EP US); **C23C 2/29** (2022.08 - KR); **B21D 22/022** (2013.01 - EP); **C21D 2211/002** (2013.01 - EP); **C21D 2211/008** (2013.01 - EP)

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 2020239891 A1 20201203; CN 113891952 A 20220104; EP 3976846 A1 20220406; JP 2022535352 A 20220808; KR 20220013393 A 20220204

DOCDB simple family (application)
EP 2020064803 W 20200528; CN 202080039175 A 20200528; EP 20727672 A 20200528; JP 2021570370 A 20200528; KR 20217041956 A 20200528