

Title (en)

METHOD FOR PRODUCING A SURFACE-TREATED AND SURFACE-CONDITIONED STEEL SHEET

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES OBERFLÄCHENVEREDELTEN UND OBERFLÄCHENKONDITIONIERTEN STAHLBLECHS

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE TÔLE D'ACIER TRAITÉE EN SURFACE ET CONDITIONNÉE EN SURFACE

Publication

**EP 4090785 A1 20221123 (DE)**

Application

**EP 21701666 A 20210108**

Priority

- DE 102020200321 A 20200113
- EP 2021050210 W 20210108

Abstract (en)

[origin: WO2021144192A1] The invention relates to a method for producing a surface-treated and surface-conditioned steel sheet (11), said method having the following steps: providing a steel sheet (1) with a zinc-based coating (1.1) which has a first degree of surface roughness (1.2), and - skin-pass rolling the surface-treated steel sheet (10) such that pressed regions and non-pressed regions are formed on the surface of the steel sheet (1) provided with a zinc-based coating (1.1). According to the invention, the skin-pass rolling step is carried out with a degree of skin pass of more than 1% such that a second degree of surface roughness (1.3) which differs from the first degree of surface roughness (1.2) is formed in the non-pressed region.

IPC 8 full level

**C23C 2/26** (2006.01); **B21B 1/22** (2006.01); **B21B 27/00** (2006.01); **C23C 2/00** (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP US)

**C23C 2/26** (2013.01 - EP US); **C23C 2/40** (2013.01 - EP); **B21B 1/227** (2013.01 - EP); **B21B 27/005** (2013.01 - EP); **B21B 2001/228** (2013.01 - EP)

Citation (search report)

See references of WO 2021144192A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020200321 A1 20210715**; EP 4090785 A1 20221123; WO 2021144192 A1 20210722

DOCDB simple family (application)

**DE 102020200321 A 20200113**; EP 2021050210 W 20210108; EP 21701666 A 20210108