

Title (en)

HOT-DIP COATED AND SKIN-PASS ROLLED SHEET STEEL WITH AN INTACT OXIDE LAYER ON THE METALLIC COATING

Title (de)

SCHMELZTAUCHVEREDELTES UND DRESSIERGEWALZTES STAHLBLECH MIT INTAKTER OXIDSCHICHT AUF DEM METALLISCHEN ÜBERZUG

Title (fr)

TÔLES D'ACIER REVÊTUES À CHAUD ET LAMINÉES AU DRESSAGE AVEC UNE COUCHE D'OXYDE INTACTE SUR LE REVÊTEMENT MÉTALLIQUE

Publication

**EP 4357472 A1 20240424 (DE)**

Application

**EP 23203496 A 20231013**

Priority

DE 102022127491 A 20221019

Abstract (de)

Die Erfindung betrifft ein schmelztauchveredeltes und dressiertes Stahlblech, ein Verfahren zu seiner Herstellung sowie eine Verwendung.

IPC 8 full level

**C22C 18/00** (2006.01); **B21B 1/22** (2006.01); **C22C 18/04** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/16** (2006.01); **C22C 38/18** (2006.01); **C22C 38/38** (2006.01); **C23C 2/06** (2006.01)

CPC (source: EP)

**C22C 18/00** (2013.01); **C22C 18/04** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/06** (2013.01); **C22C 38/12** (2013.01); **C22C 38/14** (2013.01); **C22C 38/16** (2013.01); **C22C 38/18** (2013.01); **C22C 38/38** (2013.01); **C23C 2/06** (2013.01); **B21B 1/227** (2013.01); **B21B 2001/228** (2013.01)

Citation (applicant)

- EP 2841614 B1 20190206 - ARCELORMITTAL [LU]
- EP 2006037 B1 20100811 - THYSSENKRUPP STEEL EUROPE AG [DE], et al
- EP 2892663 B1 20161109 - DAETWYLER GRAPHICS AG [CH], et al
- DE 102019215051 A1 20210401 - THYSSENKRUPP STEEL EUROPE AG [DE]

Citation (search report)

- [XII] WO 2021144192 A1 20210722 - THYSSENKRUPP STEEL EUROPE AG [DE]
- [XII] WO 2021165088 A1 20210826 - THYSSENKRUPP STEEL EUROPE AG [DE]
- [XAI] US 2015125714 A1 20150507 - MACHADO AMORIM TIAGO [FR], et al
- [XAI] JP 2002371345 A 20021226 - SUMITOMO METAL IND
- [XAI] US 11453923 B2 20220927 - FRIEDEL FRANK [DE], et al
- [XAI] DE 102019215051 A1 20210401 - THYSSENKRUPP STEEL EUROPE AG [DE]
- [XAI] US 9523139 B2 20161220 - HAGA JUN [JP], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4357472 A1 20240424**; DE 102022127491 A1 20240425

DOCDB simple family (application)

**EP 23203496 A 20231013**; DE 102022127491 A 20221019