

Title (en)

COATED METAL SUBSTRATES THAT ARE SUSCEPTIBLE TO WEAR, AND METHOD FOR THE MANUFACTURE THEREOF

Title (de)

BESCHICHTETE, VERSCHLEIßTRÄCHTIGE METALLSUBSTRATE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

SUBSTRATS MÉTALLIQUES SUJETS À USURE REVÊTUS ET PROCÉDÉ DE FABRICATION DE CEUX-CI

Publication

**EP 3969204 A1 20220323 (DE)**

Application

**EP 20726089 A 20200514**

Priority

- DE 102019112586 A 20190514
- EP 2020063439 W 20200514

Abstract (en)

[origin: WO202229588A1] The use of tungsten, molybdenum, tungsten- or molybdenum alloys for coating metal substrates using a single-wire arc spraying method results in coatings that are characterized in particular by an increased Vickers hardness (VH).

IPC 8 full level

**B22D 17/20** (2006.01); **C22C 27/04** (2006.01); **C23C 4/08** (2016.01); **C23C 4/131** (2016.01); **C23C 4/134** (2016.01)

CPC (source: EP KR US)

**B22D 17/20** (2013.01 - US); **B22D 17/2023** (2013.01 - EP KR); **C22C 27/04** (2013.01 - EP KR); **C23C 4/06** (2013.01 - EP KR); **C23C 4/073** (2016.01 - EP KR); **C23C 4/08** (2013.01 - US); **C23C 4/131** (2016.01 - EP KR US); **C23C 4/134** (2016.01 - EP KR); **C23C 30/00** (2013.01 - EP KR)

Citation (search report)

See references of WO 2020229588A1

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)

**DE 102019112586 A1 20201119**; BR 112021022625 A2 20220104; CN 113966255 A 20220121; EP 3969204 A1 20220323; JP 2022532658 A 20220715; KR 20220020254 A 20220218; MX 2021013760 A 20220221; US 2022243313 A1 20220804; WO 2020229588 A1 20201119

DOCDB simple family (application)

**DE 102019112586 A 20190514**; BR 112021022625 A 20200514; CN 202080043684 A 20200514; EP 2020063439 W 20200514; EP 20726089 A 20200514; JP 2021568374 A 20200514; KR 20217037267 A 20200514; MX 2021013760 A 20200514; US 202017610937 A 20200514