

Title (en)

COMPONENT FOR A HOT DIP COATING SYSTEM AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

BAUTEIL FÜR EINE SCHMELZTAUCHBESCHICHTUNGSANLAGE UND VERFAHREN ZUM HERSTELLEN EINES SOLCHEN

Title (fr)

PIÈCE POUR UNE INSTALLATION DE REVÊTEMENT PAR IMMERSION DANS UN BAIN DE FUSION ET PROCÉDÉ DE FABRICATION DE CETTE PIÈCE

Publication

EP 3449028 A1 20190306 (DE)

Application

EP 17715709 A 20170404

Priority

- DE 102016207211 A 20160428
- DE 102016218947 A 20160930
- EP 2017058011 W 20170404

Abstract (en)

[origin: WO2017186461A1] The invention relates to a component (1, 10, 20) for a hot dip coating system, which comes into direct contact with an immersion bath comprising liquid metal during operation of the hot dip coating system, having a metallic base body (2, 12), wherein at least one portion of a surface of the base body (2, 12) is provided with a three-layered coating (5), which comprises a corrosion-resistant bonding layer (6) arranged directly on the surface portion, a barrier layer (7) arranged on the bonding layer (6), and a ceramic surface layer (8) arranged on the barrier layer (7).

IPC 8 full level

C23C 2/00 (2006.01); **C23C 28/00** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP KR RU US)

C23C 2/00344 (2022.08 - EP KR RU US); **C23C 4/04** (2013.01 - KR); **C23C 28/321** (2013.01 - EP KR RU US);
C23C 28/3215 (2013.01 - EP RU US); **C23C 28/34** (2013.01 - EP KR RU US); **C23C 28/345** (2013.01 - EP KR RU US);
C23C 28/3455 (2013.01 - EP RU US); **C23C 30/005** (2013.01 - EP RU US)

Citation (search report)

See references of WO 2017186461A1

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 2017186461 A1 20171102; CN 109072393 A 20181221; DE 102016218947 A1 20171102; EP 3449028 A1 20190306;
KR 20180130556 A 20181207; RU 2018135139 A 20200528; RU 2018135139 A3 20200528; RU 2722554 C2 20200601;
US 2019153580 A1 20190523

DOCDB simple family (application)

EP 2017058011 W 20170404; CN 201780026203 A 20170404; DE 102016218947 A 20160930; EP 17715709 A 20170404;
KR 20187031913 A 20170404; RU 2018135139 A 20170404; US 201716097401 A 20170404