

Title (en)

HOT-DIP GALVANIZATION SYSTEM AND HOT-DIP GALVANIZATION METHOD FOR MASS PRODUCTION

Title (de)

ANLAGE ZUR FEUERVERZINKUNG UND FEUERVERZINKUNGSVERFAHREN FÜR DIE GROSSSERIENPRODUKTION

Title (fr)

INSTALLATION DE GALVANISATION À CHAUD ET PROCÉDÉ DE GALVANISATION À CHAUD POUR LA PRODUCTION EN GRANDE SÉRIE

Publication

EP 3400317 B1 20191002 (DE)

Application

EP 17700503 A 20170109

Priority

- DE 102016002783 A 20160309
- DE 102016104855 A 20160316
- DE 102016106662 A 20160412
- EP 2017050308 W 20170109

Abstract (en)

[origin: WO2017153063A1] The invention relates to a system and a method for the hot-dip galvanization of motor-vehicle components, preferably for mass-production hot-dip galvanization of a plurality of identical or similar motor-vehicle components, in particular in batches, preferably for batch galvanization, especially preferably for high-precision hot-dip galvanization.

IPC 8 full level

C23C 2/02 (2006.01); **C23C 2/06** (2006.01); **C23C 2/14** (2006.01); **C23C 2/26** (2006.01); **C23C 2/30** (2006.01)

CPC (source: EP US)

C23C 2/0035 (2022.08 - EP US); **C23C 2/02** (2013.01 - EP US); **C23C 2/024** (2022.08 - EP US); **C23C 2/06** (2013.01 - EP US);
C23C 2/26 (2013.01 - EP US); **C23C 2/30** (2013.01 - EP US); **C23C 2/385** (2013.01 - EP US)

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 2017153063 A1 20170914; BR 112018068234 A2 20190115; BR 112018068234 B1 20230207; CA 3015540 A1 20170914;
CA 3015540 C 20210126; CN 108884544 A 20181123; CN 108884544 B 20200630; DE 102016106662 A1 20170914; DK 3400317 T3 20191216;
EP 3400317 A1 20181114; EP 3400317 B1 20191002; ES 2763115 T3 20200527; HU E046693 T2 20200330; MX 2018010831 A 20190207;
PL 3400317 T3 20200430; SI 3400317 T1 20200131; US 10982308 B2 20210420; US 11525176 B2 20221213; US 2019078187 A1 20190314;
US 2019338407 A1 20191107

DOCDB simple family (application)

EP 2017050308 W 20170109; BR 112018068234 A 20170109; CA 3015540 A 20170109; CN 201780016367 A 20170109;
DE 102016106662 A 20160412; DK 17700503 T 20170109; EP 17700503 A 20170109; ES 17700503 T 20170109; HU E17700503 A 20170109;
MX 2018010831 A 20170109; PL 17700503 T 20170109; SI 201730150 T 20170109; US 201716083634 A 20170109;
US 201916514199 A 20190717