

Title (en)

COATING APPARATUS AND METHOD FOR COATING WORKPIECES

Title (de)

BESCHICHTUNGSANLAGE UND VERFAHREN ZUM BESCHICHTEN VON WERKSTÜCKEN

Title (fr)

INSTALLATION DE REVÊTEMENT ET MÉTHODE POUR REVÊTIR DES PIÈCES

Publication

**EP 2791397 A1 20141022 (DE)**

Application

**EP 12795435 A 20121204**

Priority

- DE 102011056496 A 20111215
- EP 2012074363 W 20121204

Abstract (en)

[origin: WO2013087455A1] In order to create a coating unit with a flexible and reliable operation for coating workpieces, which has a dip tank into which the workpieces to be coated can be introduced, a current conversion system for providing a coating current that can be fed through the dip tank for coating the workpieces, and an electrode, which can be arranged in the dip tank and which is electrically connected to the current conversion system, the invention relates to the current conversion system comprising a current conversion unit comprising a circuit breaker and an isolating transformer, wherein the circuit breaker can be connected on the input side to a supply current source and on the output side to the isolating transformer, and wherein the isolating transformer can be connected on the input side to the circuit breaker and on the output side to an electrode.

IPC 8 full level

**C25D 13/22** (2006.01); **C25D 5/18** (2006.01); **C25D 17/00** (2006.01); **C25D 21/12** (2006.01)

CPC (source: EP US)

**C25D 5/18** (2013.01 - EP US); **C25D 13/22** (2013.01 - EP US); **C25D 17/00** (2013.01 - US); **C25D 21/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2013087455A1

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

DOCDB simple family (publication)

**WO 2013087455 A1 20130620**; BR 112014013903 A2 20170613; BR 112014013903 A8 20170613; CA 2858237 A1 20130620; CN 103987880 A 20140813; DE 102011056496 A1 20130620; EP 2791397 A1 20141022; EP 2791397 B1 20170208; JP 2015500401 A 20150105; KR 20140102209 A 20140821; MX 2014006932 A 20140911; RU 2014122745 A 20160210; US 2014291158 A1 20141002; US 9988729 B2 20180605; ZA 201403941 B 20151223

DOCDB simple family (application)

**EP 2012074363 W 20121204**; BR 112014013903 A 20121204; CA 2858237 A 20121204; CN 201280060897 A 20121204; DE 102011056496 A 20111215; EP 12795435 A 20121204; JP 2014546411 A 20121204; KR 20147015559 A 20121204; MX 2014006932 A 20121204; RU 2014122745 A 20121204; US 201414294608 A 20140603; ZA 201403941 A 20140529