

Title (en)

DEVICE AND METHOD FOR ELECTROCHEMICALLY COATING A WORK PIECE

Title (de)

VORRICHTUNG SOWIE VERFAHREN ZUM ELEKTROCHEMISCHEN BESCHICHTEN EINES WERKSTÜCKS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE REVÊTEMENT ÉLECTROCHIMIQUE D'UNE PIÈCE

Publication

EP 2342373 B1 20200506 (DE)

Application

EP 09760128 A 20091104

Priority

- EP 2009064627 W 20091104
- DE 102008056427 A 20081107

Abstract (en)

[origin: WO2010052246A2] The invention relates to a device (1, 101, 201) for electrochemically coating a work piece (22), comprising a coating reservoir (2, 102, 202) with a feed opening (5) and comprising a supply reservoir (3, 103, 203), wherein the two reservoirs are connected by way of a penetration opening (4, 104, 204). The device comprises at least one electrode (11) and one opposite electrode (14). In order to prevent contamination of a coating fluid (20, 120, 220) during an electrochemical deposition process, the device can be moved between a coating position and a rest position by rotating the supply and the coating reservoirs about at least one common axis (A, A', A'') so that the center of gravity of the volume of the coating reservoir (2, 102, 202) in the coating position is lower relative to the center of gravity of the volume of the supply reservoir (3, 103, 203) than in the rest position. The invention further relates to a method for coating work pieces.

IPC 8 full level

C25D 17/24 (2006.01)

CPC (source: EP US)

C25D 17/02 (2013.01 - EP US); **C25D 17/24** (2013.01 - EP US)

Citation (examination)

US 4392936 A 19830712 - STOEGER KLAUS [DE], et al

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102008056427 A1 20100512; EP 2342373 A2 20110713; EP 2342373 B1 20200506; US 2011259755 A1 20111027; WO 2010052246 A2 20100514; WO 2010052246 A3 20100715

DOCDB simple family (application)

DE 102008056427 A 20081107; EP 09760128 A 20091104; EP 2009064627 W 20091104; US 200913128131 A 20091104