Title (en)

METHOD FOR PRINTING A STRUCTURED SILVER COATING HAVING IMPROVED CURRENT-CARRYING CAPACITY

Title (de)

VERFAHREN ZUM DRUCKEN EINER STRUKTURIERTEN SILBERBESCHICHTUNG MIT VERBESSERTER STROMTRAGFÄHIGKEIT

Title (fr)

PROCÉDÉ D'IMPRESSION D'UN REVÊTEMENT STRUCTURÉ EN ARGENT PRÉSENTANT UNE INTENSITÉ MAXIMALE ADMISSIBLE DE COURANT AMÉLIORÉE

Publication

EP 3785489 A1 20210303 (DE)

Application

EP 19714224 A 20190404

Priority

- EP 18169255 A 20180425
- EP 2019058490 W 20190404

Abstract (en)

[origin: WO2019206592A1] The invention relates to a method for producing a silver coating on a glass panel (16), wherein the silver coating comprises at least one bus bar (1) and/or at least one solder contact surface, wherein the method comprises the steps of printing the silver coating onto the glass panel (16) by means of screenprinting with a printing pattern having printing and non-printing regions, and baking the printed silver coating, wherein the (printing region 12) of the printing pattern for the bus bar and/or the printing region of the printing pattern for the solder contact surface is at least partly provided with a dot matrix (14) or a line matrix (20). By means of the method according to the invention, higher printing thicknesses of the bus bars and/or solder contact surfaces can be achieved as compared with conventional methods without the use of a dot matrix.

IPC 8 full level

H05B 3/84 (2006.01)

CPC (source: EP US)

B41M 1/12 (2013.01 - US); **B41M 1/34** (2013.01 - US); **B41M 3/006** (2013.01 - US); **H05B 3/12** (2013.01 - US); **H05B 3/84** (2013.01 - EP US); H05B 2203/011 (2013.01 - EP); H05B 2203/013 (2013.01 - US); H05B 2203/016 (2013.01 - US); H05B 2203/017 (2013.01 - EP US)

Citation (search report)

See references of WO 2019206592A1

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 2019206592 A1 20191031; CN 110637503 A 20191231; CN 110637503 B 20221018; EP 3785489 A1 20210303; EP 3785489 B1 20230802; MA 52345 A 20210303; US 2021053376 A1 20210225

DOCDB simple family (application)

EP 2019058490 W 20190404; CN 201980001201 A 20190404; EP 19714224 A 20190404; MA 52345 A 20190404; US 201917050323 A 20190404