

Title (en)
Method and apparatus for applying a flowable substance

Title (de)
Verfahren und Vorrichtung zum Auftragen eines fließfähigen Stoffes

Title (fr)
Procédé et dispositif d'application d'un produit coulant

Publication
EP 2878382 B1 20190612 (DE)

Application
EP 14194849 A 20141126

Priority
CH 19882013 A 20131129

Abstract (en)
[origin: MX2014012688A] A method and apparatus for applying a flowable substance to a flat or curved product using a nozzle unit. The nozzle unit includes a nozzle valve that has a nozzle end with an outlet opening. Moist air and/or temperature-moderated air is admitted to a zone of the nozzle end to form condensation when the supplied moist and/or temperature-moderated air hits the nozzle end zone. Drying up or agglutinating of the flowable substance is thereby prevented at the outlet opening of the nozzle end to secure a continuous, unobstructed flow of the flowable substance from the outlet opening.

IPC 8 full level
B05B 15/55 (2018.01); **B05B 15/50** (2018.01); **B05C 5/02** (2006.01)

CPC (source: CN EP US)
B05B 15/50 (2018.01 - CN); **B05B 15/55** (2018.01 - EP US); **B42C 9/00** (2013.01 - CN); **B05C 5/0208** (2013.01 - EP US)

Cited by
WO2023170000A1; DE102020117624B4; DE102020008094A1; DE102020008094B4; DE102022105438A1

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)
EP 2878382 A1 20150603; **EP 2878382 B1 20190612**; BR 102014029196 A2 20150915; CN 104668134 A 20150603; JP 2015104728 A 20150608; JP 6525561 B2 20190605; MX 2014012688 A 20150528; US 10183307 B2 20190122; US 2015151320 A1 20150604; US 2019105666 A1 20190411; ZA 201408809 B 20160831

DOCDB simple family (application)
EP 14194849 A 20141126; BR 102014029196 A 20141124; CN 201410709611 A 20141201; JP 2014239507 A 20141127; MX 2014012688 A 20141020; US 201414553576 A 20141125; US 201816215894 A 20181211; ZA 201408809 A 20141201