

Title (en)
APPLICATOR AND APPLICATION METHOD

Title (de)
APPLIKATOR UND APPLIKATIONSVERFAHREN

Title (fr)
APPLICATEUR ET PROCÉDÉ D'APPLICATION

Publication
EP 3525939 A1 20190821 (DE)

Application
EP 18705112 A 20180207

Priority
• DE 102017001780 A 20170224
• EP 2018052998 W 20180207

Abstract (en)
[origin: WO2018153663A1] The invention relates to an applicator for applying a coating means (e.g. sealant) to a component (9, 10), particularly for sealing or gluing a raised seam (8) on the motor vehicle body component (9, 10). The applicator according to the invention comprises a nozzle (7) for dispensing the coating means in a specific jet direction onto a component surface of the component (9, 10) to be coated. The applicator also comprises a nozzle carrier (2) for positioning the nozzle (7). The nozzle carrier (2) is hollow at least over part of the length thereof, so as to be able to guide the coating means therethrough. The nozzle carrier (2) also comprises a plurality of limbs (3-6) that are successively arranged at an angle to each other, and the nozzle (7) is arranged on the nozzle carrier (2), particularly on the distal limb (6) of the nozzle carrier (2). According to the invention, a spacer (11) is mounted on the outside of the nozzle carrier (2), projecting from the distal limb (6) in the jet direction, and lying on the component surface of the component (9, 10) to be coated during the coating operation, thereby setting a pre-defined application distance (a) between the nozzle (7) and the component surface.

IPC 8 full level
B05C 5/02 (2006.01)

CPC (source: EP KR US)
B05B 13/0278 (2013.01 - US); **B05B 13/0452** (2013.01 - US); **B05C 5/0212** (2013.01 - US); **B05C 5/0216** (2013.01 - EP KR)

Citation (search report)
See references of WO 2018153663A1

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)
DE 102017001780 B3 20180412; CN 109952158 A 20190628; CN 109952158 B 20210907; EP 3525939 A1 20190821; EP 3525939 B1 20210414; ES 2879357 T3 20211122; KR 102350738 B1 20220114; KR 20190121295 A 20191025; MX 2019010029 A 20191014; PL 3525939 T3 20211025; US 11596968 B2 20230307; US 2019329283 A1 20191031; WO 2018153663 A1 20180830

DOCDB simple family (application)
DE 102017001780 A 20170224; CN 201880004364 A 20180207; EP 18705112 A 20180207; EP 2018052998 W 20180207; ES 18705112 T 20180207; KR 20197021294 A 20180207; MX 2019010029 A 20180207; PL 18705112 T 20180207; US 201816344159 A 20180207