

Title (en)
APPLICATION NOZZLE

Title (de)
AUFTRAGSDÜSE

Title (fr)
BUSE D'APPLICATION

Publication
EP 3921089 B1 20230621 (DE)

Application
EP 20712289 A 20200316

Priority
• DE 102019113896 A 20190524
• DE 202019104322 U 20190806
• EP 2020057098 W 20200316

Abstract (en)
[origin: WO2020239283A1] The invention relates to an application nozzle (10) for applying a viscous material to workpieces, having a nozzle body (12), through which an application duct (14) extends from a material inlet (16) to a material outlet (18), wherein the nozzle body (12) has, in a first spatial direction (44), a width (b) that is greater than a thickness (d) measured in a second spatial direction (46) extending perpendicularly to the first spatial direction (44), and wherein the application channel (14) widens towards the material outlet (18) in the first spatial direction (44), and having a nozzle holder (20), which has a main body (22) and two clamping plates (30), wherein a feed duct (24) for the viscous material extends through the main body (22), said feed duct (24) leading into the material inlet (16) at a feed opening (26), and wherein the clamping plates (30), bearing on mutually opposite side faces (34) of the nozzle body (12), fix the nozzle body (12) releasably to the main body (22). According to the invention, the two clamping plates (30) are configured as separate components and are fixed releasably to the main body (22) and to the nozzle body (12), and/or the nozzle body (12) has two nozzle plates (54) that bear flat against one another, at least one portion (50) of the application duct (14) being located between said nozzle plates (54).

IPC 8 full level
B05C 5/02 (2006.01); **B05B 1/04** (2006.01)

CPC (source: CN EP KR US)
B05B 1/044 (2013.01 - EP KR US); **B05C 5/0254** (2013.01 - CN EP KR US)

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)
DE 202019104322 U1 20200826; CN 113710372 A 20211126; CN 113710372 B 20231212; DE 102019113896 A1 20201126;
EP 3921089 A1 20211215; EP 3921089 B1 20230621; EP 4234094 A2 20230830; EP 4234094 A3 20231011; KR 20220011642 A 20220128;
US 2022212209 A1 20220707; WO 2020239283 A1 20201203

DOCDB simple family (application)
DE 202019104322 U 20190806; CN 202080030545 A 20200316; DE 102019113896 A 20190524; EP 2020057098 W 20200316;
EP 20712289 A 20200316; EP 23172475 A 20200316; KR 20217038354 A 20200316; US 202017605722 A 20200316