

Title (en)
CURTAIN COATER HEAD OPENING DEVICE

Title (de)
ÖFFNUNGSVORRICHTUNG FÜR VORHANGBESCHICHTUNGSKOPF

Title (fr)
DISPOSITIF D'OUVERTURE D'UNE TÊTE D'ENDUCTION DU RIDEAU

Publication
EP 4088823 A1 20221116 (EN)

Application
EP 22020217 A 20220510

Priority
IT 202100011846 A 20210510

Abstract (en)
The device (1) allows the opening of the hopper (20) of a curtain coater head (2) capable of dispensing, from a calibrated outlet slot (21), a curtain of ceramic glaze (S) onto ceramic tiles or slabs (4) in transit therebelow. The hopper (20) consists of two parts, the first of which is stationary (20F) whereas the second is movable (20M), the latter being connected to drive means (10) capable of imparting rectilinear horizontal movements thereto. The drive means (10) are of screw (100) and nut-screw (101) type, with a recirculating ball screw, and are driven by an electric motor (102) with encoder (103). When the second movable part (20M) is brought closer to the first stationary part (20F), so that the aforementioned calibrated exit slot (21) is adjusted, an operating position (W) of said hopper (20) is defined. When the two parts (20F, 20M) are pushed apart, an open position (A) of the hopper (20) is configured, which allows the hopper to be washed with cleaning fluid under pressure.

IPC 8 full level
B05C 5/00 (2006.01); **B05B 15/525** (2018.01); **B05B 15/555** (2018.01); **B28B 11/04** (2006.01)

CPC (source: EP)
B05B 15/525 (2018.01); **B05B 15/555** (2018.01); **B05C 5/004** (2013.01); **B05C 5/005** (2013.01); **B28B 11/044** (2013.01); **B28B 11/047** (2013.01)

Citation (search report)
• [XAI] DE 102015119818 A1 20170518 - V I E SYSTEMS GMBH [AT]
• [A] IT MO20060009 A1 20070714 - SIGHINOLFI PAOLO
• [A] US 4557217 A 19851210 - ZINGG HANSKONRAD [CH]

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)
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DOCDB simple family (publication)
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