

Title (en)

EXTRUDER DEVICE, EXTRUDER SYSTEM AND USE OF AN EXTRUDER DEVICE AND/OR OF AN EXTRUDER SYSTEM

Title (de)

EXTRUDERVORRICHTUNG, EXTRUDERSYSTEM UND VERWENDUNG EINER EXTRUDERVORRICHTUNG UND/ODER EINES EXTRUDERSYSTEMS

Title (fr)

DISPOSITIF D'EXTRUSION, SYSTÈME D'EXTRUSION ET UTILISATION D'UN DISPOSITIF D'EXTRUSION ET/OU D'UN SYSTÈME D'EXTRUSION

Publication

EP 3946863 A1 20220209 (DE)

Application

EP 20716715 A 20200325

Priority

- DE 102019204228 A 20190327
- EP 2020058297 W 20200325

Abstract (en)

[origin: WO2020193605A1] An extruder device (1) for extruding a strand (ST) of building material (BS) for the 3D printing of a building structure part (BWT), wherein the extruder device (1) comprises: an extruder die (5), wherein the extruder die (5) has an outlet opening (2) for discharging the strand (ST) of building material (BS) out of the extruder device (1); and at least one covering element (8, 8a, 8b), wherein the at least one covering element (8, 8a, 8b) is designed to cover at least one part (2a) of the outlet opening (2) in such a way that an opening cross section (3) of at least one uncovered part (2b) of the outlet opening (2) assigns a strand cross section (4) of the discharged strand (ST) of building material (BS).

IPC 8 full level

B28B 1/00 (2006.01); **B28B 3/26** (2006.01); **E04G 21/04** (2006.01)

CPC (source: CN EP KR US)

B28B 1/001 (2013.01 - CN EP KR US); **B28B 3/205** (2013.01 - US); **B28B 3/2672** (2013.01 - US); **B28B 3/2681** (2013.01 - CN EP KR US); **B33Y 30/00** (2014.12 - KR US); **E04G 21/04** (2013.01 - CN EP); **E04G 21/0463** (2013.01 - KR); **E04G 2021/049** (2013.01 - CN EP KR)

Citation (search report)

See references of WO 2020193605A1

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)

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DOCDB simple family (application)

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