

Title (en)

VALVE ASSEMBLY FOR EJECTION OF A VISCOUS MEDIA IN A 3D PRINTING DEVICE

Title (de)

VENTILANORDNUNG ZUM AUSSTOSSEN EINES VISKOSEN MEDIUMS IN EINER 3D-DRUCKVORRICHTUNG

Title (fr)

ENSEMBLE SOUPAPE POUR L'ÉJECTION D'UN MILIEU VISQUEUX DANS UN DISPOSITIF D'IMPRESSION 3D

Publication

**EP 4132770 A4 20240605 (EN)**

Application

**EP 21784365 A 20210315**

Priority

- SE 2050395 A 20200407
- SE 2021050223 W 20210315

Abstract (en)

[origin: WO2021206604A1] A valve assembly (1) for jetting of a viscous media in a media jetting device for controlled media jetting in manufacturing of three-dimensional products, such as in 3D-printing device for manufacture of one or more 3D products, wherein the valve assembly comprises a valve compartment (100), in which a resilient membrane (210) is fixedly connected to a valve stem (200), wherein the valve stem extends into the media chamber of the valve assembly (1), and regulates the jetting of the viscous media by moving between an open and closed positioning in relation to a media chamber portion (120). An array of valve assemblies, and a method of controlling the valve assembly's, a 3D-printing device and a use of the valve assembly is also disclosed.

IPC 8 full level

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CPC (source: EP SE)

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C-Set (source: EP)

**B22F 2999/00 + B22F 10/30 + B22F 12/57 + B22F 2203/13**

Citation (search report)

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- [XP] EP 3714992 A1 20200930 - ROBATECH AG [CH]
- [Y] US 2017157843 A1 20170608 - NYSTROM PETER J [US], et al
- [Y] US 2014332569 A1 20141113 - FELIX HANSPETER [CH], et al
- See also references of WO 2021206604A1

Designated contracting state (EPC)

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