

Title (en)

DEVICE AND METHOD FOR ADDITIVE MANUFACTURING UNDER PROTECTIVE GAS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ADDITIVEN FERTIGUNG UNTER SCHUTZGAS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE FABRICATION ADDITIVE SOUS GAZ PROTECTEUR

Publication

EP 4171851 A1 20230503 (DE)

Application

EP 21730571 A 20210602

Priority

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- EP 2021064850 W 20210602

Abstract (en)

[origin: CA3184100A1] The invention relates to a device for the additive manufacturing of workpieces under protective gas, which device is provided with a manufacturing chamber designed as a pressure chamber, said manufacturing chamber being fluidically connected to a pressure container via a gas extraction line, which is provided with a vacuum pump, and via a gas return line. After the manufacturing of a first workpiece, the protective gas present in the manufacturing chamber is evacuated, temporarily stored in the pressure container and, prior to the manufacturing of a second workpiece, is introduced into the manufacturing chamber.

IPC 8 full level

B22F 10/20 (2021.01); **B22F 10/28** (2021.01); **B22F 10/30** (2021.01); **B22F 10/32** (2021.01); **B22F 10/77** (2021.01); **B22F 12/00** (2021.01); **B29C 64/153** (2017.01); **B29C 64/371** (2017.01); **B33Y 10/00** (2015.01); **B33Y 30/00** (2015.01)

CPC (source: EP US)

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DE 102020003888 A1 20211230; BR 112022026714 A2 20230117; CA 3184100 A1 20220106; EP 4171851 A1 20230503; US 2023241686 A1 20230803; WO 2022002523 A1 20220106

DOCDB simple family (application)

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