

Title (en)

REMOVING THE SUPPORT STRUCTURE BY MEANS OF A LASER BEAM INTEGRATED ON A ROBOT ARM

Title (de)

ENTFERNEN DER STÜTZSTRUKTUR MIT EINEM AUF EINEM ROBOTERARM INTEGRIERTEN LASERSTRAHL

Title (fr)

ÉLIMINATION DE LA STRUCTURE DE SOUTIEN AU MOYEN D'UN FAISCEAU LASER INTÉGRÉ SUR UN BRAS ROBOTIQUE

Publication

**EP 4301534 A1 20240110 (DE)**

Application

**EP 22711201 A 20220302**

Priority

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- EP 2022055231 W 20220302

Abstract (en)

[origin: WO2022184758A1] The invention relates to a generatively manufactured object (1) having at least one functional region with supporting function (2), which is removed after the manufacture with a tool. The functional region with supporting function (2) is removed by means of a radiation source.

IPC 8 full level

**B22F 10/20** (2021.01); **B22F 10/28** (2021.01); **B22F 10/40** (2021.01); **B29C 64/153** (2017.01); **B29C 64/40** (2017.01); **B33Y 10/00** (2015.01); **B33Y 40/20** (2020.01)

CPC (source: EP US)

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C-Set (source: EP)

**B22F 2999/00** + **B22F 10/60** + **B22F 2202/11** + **B22F 10/40**

Citation (search report)

See references of WO 2022184758A1

Designated contracting state (EPC)

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BA ME

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KH MA MD TN

DOCDB simple family (publication)

**DE 102021105228 A1 20220908**; CN 116917067 A 20231020; EP 4301534 A1 20240110; JP 2024508919 A 20240228; US 2024139814 A1 20240502; WO 2022184758 A1 20220909

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**DE 102021105228 A 20210304**; CN 202280018551 A 20220302; EP 2022055231 W 20220302; EP 22711201 A 20220302; JP 2023553636 A 20220302; US 202218280042 A 20220302