

Title (en)

A PRINTER FOR PRINTING A 3D OBJECT BASED ON A COMPUTER MODEL

Title (de)

DRUCKER ZUM DRUCKEN EINES 3D-OBJEKTS AUF BASIS EINES COMPUTERMODELLS

Title (fr)

IMPRIMANTE POUR IMPRIMER UN OBJET 3D SUR LA BASE D'UN MODÈLE INFORMATIQUE

Publication

**EP 4326527 A1 20240228 (EN)**

Application

**EP 22724748 A 20220422**

Priority

- EP 21170173 A 20210423
- EP 2022060752 W 20220422

Abstract (en)

[origin: US2024208151A1] A printer and a method of printing a 3D object are based on a computer model. To allow different engineering properties of the printed object, the printer allows a user input defining at least two portions of the 3D object and a desired engineering property of each portion. The printer is configured to define the lines of an inner structure of the object such that the lines extend continuously across a transition from one of the least two portions into the other portion, and the printer is configured to change the cross-sectional shape of each line in the transition in accordance with the desired engineering properties.

IPC 8 full level

**B29C 64/118** (2017.01); **B29C 64/336** (2017.01); **B29C 64/386** (2017.01); **B33Y 10/00** (2015.01); **B33Y 40/00** (2020.01); **B33Y 50/00** (2015.01)

CPC (source: EP US)

**B29C 64/118** (2017.08 - EP US); **B29C 64/336** (2017.08 - EP US); **B29C 64/386** (2017.08 - EP US); **B33Y 10/00** (2014.12 - EP); **B33Y 40/00** (2014.12 - EP); **B33Y 50/00** (2014.12 - EP); **B33Y 30/00** (2014.12 - US); **B33Y 50/00** (2014.12 - US)

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

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DOCDB simple family (application)

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