

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

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- 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

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CPC (source: EP US)

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Designated contracting state (EPC)

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