

Title (en)

METHOD FOR PRODUCING AN OBJECT BY MEANS OF GENERATIVE MANUFACTURING, COMPONENT, IN PARTICULAR FOR AN AIRCRAFT OR SPACECRAFT, AND COMPUTER-READABLE MEDIUM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES OBJEKTS MITTELS GENERATIVER FERTIGUNG, BAUTEIL, INSBESONDERE FÜR EIN LUFT- ODER RAUMFAHRZEUG, UND COMPUTERLESBARES MEDIUM

Title (fr)

PROCÉDÉS SERVANT À FABRIQUER UN OBJET AU MOYEN D'UNE PRODUCTION GÉNÉRATIVE, COMPOSANT, EN PARTICULIER POUR UN ENGIN AÉRONAUTIQUE OU SPATIAL, ET SUPPORT LISIBLE PAR ORDINATEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018210951A1] The invention relates to a method for producing an object by means of generative manufacturing. The invention also relates to a component, in particular for an aircraft or spacecraft, and to a computer-readable medium. In the case of a first method, a sheet-like component with a multiplicity of protrusions is formed. In the case of a second method, a supporting structure with at least one arc is formed, wherein the arc is formed with arc segments that converge substantially in the direction in which the object is built up and meet at a tip of the arc. In the case of a third method, a supporting structure with at least one structure of a cloverleaf-like cross-sectional shape is formed. In the case of a fourth method, a supporting structure with a sheet-like component is formed, wherein the sheet-like component is connected to the object and is formed as projecting forwards at an angle from the object in the direction in which the object is built up. In the case of a fifth method, a supporting structure with a sheet-like component extending substantially along the direction in which the object is built up is formed, wherein the sheet-like component is formed with a multiplicity of openings. In the case of a sixth method, a supporting structure with a sheet-like component is formed, wherein the sheet-like component is connected to the object and, in the region of a transition of the same to the object to be generated, is provided with a perforation and/or a predetermined breaking edge along a contour of the object.

IPC 8 full level

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Citation (examination)

- US 2017136539 A1 20170518 - CHOU YUAG-SHAN [US], et al
- DE 102016204905 A1 20170928 - EOS GMBH ELECTRO OPTICAL SYSTEMS [DE]
- See also references of WO 2018210951A1

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DOCDB simple family (application)

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