

Title (en)

METHOD FOR MANUFACTURING A COMPONENT BY MEANS OF LAYERED CONSTRUCTION

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BAUTEILS DURCH SCHICHTAUFBAU

Title (fr)

PROCÉDÉ DE FABRICATION D'UN COMPOSANT PAR FORMATION DE COUCHES

Publication

**EP 4351821 A1 20240417 (DE)**

Application

**EP 22732482 A 20220602**

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Abstract (en)

[origin: WO2022258475A1] The invention relates to a method for manufacturing a component (1) by means of layered construction, by combining a plurality of crystallites of a metal material to form a single crystal. The single crystal is produced by means of thermomechanically activated successive anisotropic plastic deformation. The metal material is heated during the construction of a new layer so that the metal material is melted in a line-shaped region (2). The line-shaped region (2) is moved in order to construct the new layer.

IPC 8 full level

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C-Set (source: EP)

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