

Title (en)

METHOD AND APPARATUS FOR THE ADDITIVE MANUFACTURE OF PRODUCTS FROM METAL ALLOYS

Title (de)

VERFAHREN UND VORRICHTUNG FÜR DIE ADDITIVE FERTIGUNG VON ERZEUGNISSEN AUS METALLLEGIERUNGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LA FABRICATION ADDITIVE DE PRODUITS À PARTIR D'ALLIAGES MÉTALLIQUES

Publication

**EP 3941666 A1 20220126 (DE)**

Application

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Priority

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Abstract (en)

[origin: WO2020192815A1] The invention relates to an apparatus and a method for an extrusion-based additive manufacture of products from thixotropic metal alloys, comprising a feeder (2) for the starting material, wherein the starting material is in bar form (3), comprising a preheating device in the form of an induction coil (8) including a cap for field concentration (7), which encloses the channel (6), comprising a heater (10) for producing a semi-solid processing state of the preheated starting material, which likewise encloses the channel (6), comprising an afterheater (13) in the region of the die (11) and comprising an adjustable workpiece table (15) for the product to be built up layer by layer.

IPC 8 full level

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CN

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