

Title (en)

METHOD AND DEVICE FOR PRODUCING A COMPONENT OF A TURBOMACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES BAUTEILS EINER STRÖMUNGSMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT LA FABRICATION D'UN ÉLÉMENT D'UNE TURBOMACHINE

Publication

**EP 2493650 A2 20120905 (DE)**

Application

**EP 10798474 A 20101030**

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Abstract (en)

[origin: WO2011050790A2] The invention relates to a method for producing a component (10) of a turbomachine, especially a structural part of a turbine or a compressor, the method being a generative production method for the layer-by-layer buildup of the component (10). After production of one or more successive component layers pressure is applied to at least sections of the surface of the most recently produced component layer (12), the pressure being induced by laser or plasma. The invention further relates to a device for producing a component (10) of a turbomachine, especially a structural part of a turbine or a compressor, the device (26) comprising at least one powder feed (28) for the deposition of at least one powder component material (16) onto a component platform, at least one radiation source (14) for a local layer-by-layer fusion or sintering of the component material (16) and at least one laser radiation source (20) or at least one plasma impulse source.

IPC 8 full level

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