

Title (en)
FACILITY FOR PRODUCING A METAL COMPONENT

Title (de)
VORRICHTUNG ZUR HERSTELLUNG EINES METALLBAUTEILES

Title (fr)
DISPOSITIF DE FABRICATION D'UN ÉLÉMENT MÉTALLIQUE

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EP 3720978 A1 20201014 (DE)

Application
EP 18815936 A 20181128

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Abstract (en)
[origin: WO2019158142A1] The invention relates to a facility for producing a metal component having at least two regions of different strength properties, said facility consisting of a heating unit (2) comprising heat-producing radiation sources (4) as well as a positioning device for at least one base body (1) consisting of metal, and a protecting device comprising at least one covering part for the contactless protection of a pre-determined surface region of the base body (1), the protecting device being arranged in the heating unit such that it remains therein during a temperature control of the base body (1) before the forming of the base body in a forming tool, the protecting part comprising a plurality of separately manipulatable covering parts (3a, 3b, 3c, 3d, 3e) which are respectively used to protect a pre-determined surface region (1a, 1b, 1c, 1d, 1e) of the base body (1), and a manipulator (5) is provided for each covering part (3a to 3e), by means of which the covering part (3a to 3e) can be moved, independently from the other covering parts (3a to 3e) in the heating unit (2), into a covering position in which it covers the pre-determined surface region (1a to 1e), or into an uncovering position in which it uncovers the pre-determined surface region (1a to 1e) for the irradiation of the radiation sources (4).

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