

Title (en)
METHOD FOR PRODUCING A STARTING MATERIAL FOR THE PRODUCTION OF METALLIC COMPONENTS HAVING REGIONS OF DIFFERENT STRENGTH

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES VORMATERIALS FÜR DIE HERSTELLUNG VON METALLISCHEN BAUTEILEN MIT BEREICHEN UNTERSCHIEDLICHER FESTIGKEIT

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE MATIÈRE BRUTE POUR LA FABRICATION DE COMPOSANTS MÉTALLIQUES PRÉSENTANT DES ZONES DE DIFFÉRENTES RÉISTANCES

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Application
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Abstract (en)
[origin: WO2017050559A1] The invention relates to a method for producing a starting material for the production of metallic components having regions of different strengths, wherein, in a first step, a first region of the starting material, which is provided in uncoated form, is supplied with thermal energy, such that the first region is heated and the material structure in the first region is at least partly converted into austenite, while a second region of the starting material is not supplied with thermal energy, and in a second step, following the first step, the first region is cooled down, such that the material structure in the first region is at least partly converted into martensite. The invention further relates to a corresponding device.

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