

Title (en)  
METHOD FOR THE PRODUCTION OF A COMPOSITE COMPONENT COMPRISING TWO COMPONENT SECTIONS WITH A BASIC ADHESIVE NICKEL LAYER LOCATED BETWEEN THE TWO COMPONENT SECTIONS

Title (de)  
VERFAHREN ZUM HERSTELLEN EINES VERBUNDBAUTEILS AUS ZWEI BAUTEILABSCHNITTEN MIT EINER ZWISCHEN DEN BEIDEN BAUTEILABSCHNITTEN LIEGENDEN NICKELBASISWERKSTOFF-HAFTSCHICHT

Title (fr)  
PROCEDE DE FABRICATION D'UNE PIECE COMPOSITE CONSTITUEE DE DEUX SEGMENTS ENTRE LESQUELS EST SITUEE UNE COUCHE ADHESIVE EN MATERIAU A BASE DE NICKEL

Publication  
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Application  
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Abstract (en)  
[origin: WO2007003166A1] The invention relates to a method for producing a composite component (10), especially a composite gas turbine component (10), comprising a first component section (11) that is made of a basic magnesium or aluminum material as well as a second component section (13) made of a high-strength material, particularly a basic iron, nickel, titanium, or cobalt material. The inventive method encompasses at least the following steps: a) the first component section (11) made of the basic magnesium or aluminum material is made available; b) the first component section (11) made of the basic magnesium or aluminum material is coated with an adhesive layer (12) at least in a joining zone for the second component section, a basic nickel material, particularly a nickel alloy material, being used as a coating material for the adhesive layer; c) the second component section (13) made of the high-strength material, especially the basic iron, nickel, titanium, or cobalt material, is made available; d) the second component section (13) made of the high-strength material is joined to the joining area of the first component section (11) made of the basic magnesium or aluminum material, said joining area being coated with the adhesive layer (12).

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