

Title (en)
METHOD FOR THE PRODUCTION OF CAST COMPONENTS

Title (de)
VERFAHREN ZUM HERSTELLEN VON GUSSBAUTEILEN

Title (fr)
PROCEDE POUR PRODUIRE DES PIECES COULEES

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Application
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Abstract (en)
[origin: WO2005071128A2] The invention relates to a method for the production of a cast component, in particular a gas turbine component. The inventive method comprises at least the following steps: a) a crucible and at least one semi-finished product is prepared from an intermetallic titanium-aluminium material; b) the or each semi-finished product made of intermetallic titanium-aluminium material is melted in the crucible; c) at least one additional element or an additional compound is added to the melt, whereby the or each element and/or the or each compound is introduced into the melt according to the melting temperature thereof; d) a casting mould is prepared; e) the casting mould is filled with the melt; f) the melt is solidified in the casting mould; g) the casting component is extracted from the casting mould.

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