

Title (en)

METHOD FOR PRODUCING A COMPONENT BY HOT FORMING A PRE-PRODUCT MADE OF STEEL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BAUTEILS DURCH WARMUMFORMEN EINES VORPRODUKTES AUS STAHL

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE PIÈCE STRUCTURALE PAR FORMAGE À CHAUD D'UN PRODUIT SEMI-FINI EN ACIER

Publication

**EP 3004401 B1 20170531 (DE)**

Application

**EP 14731900 A 20140430**

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- DE 2014000233 W 20140430

Abstract (en)

[origin: WO2014190957A1] The invention relates to a method for producing a component by hot forming a pre-product made of steel. The pre-product is heated to a forming temperature and is then reshaped, said component having a bainitic microstructure with a minimum tensile strength of 800 MPa after the forming process. In the process, the pre-product with the specified alloy composition is heated to a temperature below the Ac1 transformation temperature, said pre-product already consisting of a steel with a microstructure made of at least 50% bainite.

IPC 8 full level

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Cited by

US11220721B2; WO2018134186A1

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