

Title (en)

METHOD FOR PRODUCING HOT-FORMED COMPONENTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WARMUMGEFORMTEN BAUTEILEN

Title (fr)

PROCÉDÉ DE FABRICATION DE COMPOSANTS FORMÉS À CHAUD

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Application

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Abstract (en)

[origin: WO2016020148A1] The invention relates to a method for producing a hot-formed component (17), in particular a sheet-metal component made of steel, aluminium, magnesium or a combination of said materials, said method comprising the following steps: heating a semifinished product (16), in particular a sheet-metal blank or a pre-shaped sheet-metal component, inserting the semifinished product (16) into a moulding tool (10), and quenching the semifinished product (16) in the moulding tool (10), wherein a change is made to the microstructure of the material at least in one portion, characterized in that, before the insertion of the semifinished product (16) into the moulding tool (10), an insulating device (15) is applied in at least one predetermined region of the semifinished product (16), said insulating device being connected in a form-fitting, integral and/or force-fitting manner to the semifinished product (16).

IPC 8 full level

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