

Title (en)
METHOD AND DEVICE FOR PRODUCING A PARTIALLY CURED MOULDED PART

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES PARTIELL GEHÄRTETEN FORMTEILS

Title (fr)
PROCÉDÉ ET DISPOSITIF DE FABRICATION D'UN ÉLÉMENT DE FORMAGE PARTIELLEMENT DURCI

Publication
EP 3072980 B1 20180214 (DE)

Application
EP 15161040 A 20150326

Priority
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Abstract (en)
[origin: US2016281185A1] A process of producing a partially hardened metallic formed part comprises: heating a semi-finished product of hardenable hot-formable steel sheet to a hardening temperature; hot-forming the heated semi-finished product in a combined hot-forming cutting device into a three-dimensional formed part; cutting the formed part in the combined hot-forming cutting device; pressure-hardening the formed part in the hot-forming cutting device into a hardened formed part such that a first partial region is hardened by rapid cooling and that a second partial region of the formed part is heat-treated so as to comprise a greater ductility and a lower strength than the first partial region, wherein the operation of cutting the formed part takes place at least in one of the first and second partial region,. A combined hot-forming cutting device can be used to produce a metallic formed part.

IPC 8 full level
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Cited by
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