

Title (en)
METHOD FOR THE PRODUCTION OF A PRESS-HARDENED PART

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES PRESSGEHÄRTETEN BAUTEILS

Title (fr)
PROCEDE DE PRODUCTION D'UN PIECE TREMPEE A LA PRESSE

Publication
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Application
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Abstract (en)
[origin: WO2004033126A1] The aim of the invention is to produce a metallic molded part, particularly a vehicle body part, from a semifinished product made of an unhardened thermally moldable steel sheet. Said aim is achieved by first shaping the semifinished product by means of a cold-deforming method, particularly by deep drawing, so as to obtain a single blank part (step II). The edge side of the blank part is then cut so as to create an edge contour which approximately corresponds to the edge contour of the part that is to be produced (step III). The cut blank part is ultimately heated and press-hardened in a thermal shaping tool (step IV). The produced part is provided with the desired edge contour as early as following the thermal shaping process such that the final step of cutting the edge of the part is eliminated, which allows the cycle times during the production of hardened parts made of steel sheet to be substantially reduced.

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Cited by
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