

Title (en)

Method to produce a hot formed part, and part thus formed

Title (de)

Verfahren zur Herstellung eines warm geformten Teils und so geformtes Teil

Title (fr)

Procédé pour produire une pièce formée à chaud et pièce ainsi formée

Publication

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Application

EP 14163594 A 20120117

Priority

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- EP 12700452 A 20120117
- EP 14163594 A 20120117

Abstract (en)

The invention relates to a. method for manufacturing a coated steel part having very high mechanical properties using hot forming techniques. According to the invention, the method comprises the following steps: #¢ providing a coated steel blank comprising a steel substrate with a coating layer #¢ heating the blank to a temperature of 800° C or more in a furnace #¢ transporting the heated blank from the furnace and placing the blank in a hot forming press #¢ hot forming the blank in the press to form the coated steel part #¢ quenching the coated steel part wherein the heated blank has a temperature of at most 780° C when placed in the hot forming press. The invention also relates to a hot formed part manufactured using the method according to the invention.

IPC 8 full level

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Citation (third parties)

Third party :

- DE 102005003551 A1 20060727 - VOLKSWAGEN AG [DE]
- JP 2007182608 A 20070719 - NIPPON STEEL CORP, et al
- US 2007130772 A1 20070614 - SOBE MARION [DE], et al

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