

Title (en)

METHOD FOR MANUFACTURING HOT PRESS FORMING PART

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES HEISSPRESSFORMTEILS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ARTICLE MOULÉ À LA PRESSE À CHAUD

Publication

**EP 3135394 A1 20170301 (EN)**

Application

**EP 15783938 A 20150226**

Priority

- JP 2014088848 A 20140423
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- JP 2015056439 W 20150226

Abstract (en)

In manufacturing a hot press forming part by hot pressing, using a tool of press forming, a coated steel sheet that is obtained by forming a Zn-Ni coating layer on a surface of a steel sheet, the tool of press forming having a die, a blank holder, and a punch, edges of the coated steel sheet heated to a temperature range of Ac 3 transformation temperature to 1000 °C are cooled with the edges squeezed between the die and the blank holder to a temperature of 550 °C or lower and 400 °C or higher at a cooling rate of 100 °C/s or higher, press forming is performed so that the press forming is started when the edges reach a temperature of 550 °C or lower and 400 °C or higher, and after the press forming, a formed body is quenched with the formed body held at the press bottom dead center while being squeezed by the tool of press forming.

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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