

Title (en)  
METHOD FOR PRODUCING HOT-PRESSED MEMBER

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES HEISSGEPRESSTEN ELEMENTS

Title (fr)  
PROCÉDÉ POUR LA PRODUCTION D'ÉLÉMENT FORMÉ À LA PRESSE À CHAUD

Publication  
**EP 3330016 A4 20180627 (EN)**

Application  
**EP 16830013 A 20160705**

Priority  
• JP 2015149092 A 20150729  
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• JP 2016003196 W 20160705

Abstract (en)  
[origin: EP3330016A1] Provided is a method for manufacturing a hot-pressed member excellent in terms of surface appearance with which it is possible to stably manufacture a hot-pressed member having a homogeneous and good surface appearance without causing a significant increase in cost. A method for manufacturing a hot-pressed member includes heating a zinc-based coated steel sheet to a temperature range from the Ac3 transformation temperature to 1000°C, performing hot pressing work, and performing cooling, in which a surface-cleaning treatment is performed on the zinc-based coated steel sheet before the heating is performed. A method for manufacturing a hot-pressed member includes performing cold pressing work on a zinc-based coated steel sheet, heating the zinc-based coated steel sheet to a temperature range from the Ac3 transformation temperature to 1000°C, and cooling the heated steel sheet, in which a surface-cleaning treatment is performed on the zinc-based coated steel sheet before the heating is performed. It is preferable that the zinc-based coated steel sheet be a Zn-Ni-alloy-coated steel sheet having a coating layer on one or both sides of the Zn-Ni-alloy-coated steel sheet, and the coating layer have a chemical composition containing 10 mass% to 25 mass% of Ni and the balance being Zn and inevitable impurities and a coating weight per side of 10 g/m<sup>2</sup> to 90 g/m<sup>2</sup>.

IPC 8 full level  
**B21D 22/20** (2006.01); **B21D 22/26** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C23C 2/06** (2006.01); **C23C 2/26** (2006.01); **C23C 2/40** (2006.01); **C25D 5/26** (2006.01); **C25D 5/48** (2006.01)

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Citation (search report)  
• [XY] JP 2015071810 A 20150416 - NIPPON STEEL & SUMITOMO METAL CORP  
• [XY] EP 2159292 A1 20100303 - SUMITOMO METAL IND [JP]  
• [Y] EP 2719796 A1 20140416 - JFE STEEL CORP [JP]  
• See references of WO 2017017905A1

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