

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 A1 20180606 (EN)**

Application

**EP 16830013 A 20160705**

Priority

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Abstract (en)

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

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