

Title (en)

HOT PRESS MOLDED ARTICLE, METHOD FOR PRODUCING SAME, AND THIN STEEL SHEET FOR HOT PRESS MOLDING

Title (de)

HEISSGEPRESSTER FORMARTIKEL, HERSTELLUNGSVERFAHREN DAFÜR UND DÜNNES STAHLBLECH ZUM HEISSPRESSEN

Title (fr)

ARTICLE MOULÉ PAR PRESSAGE À CHAUD, PROCÉDÉ POUR PRODUIRE CELUI-CI, ET TÔLE D'ACIER MINCE POUR MOULAGE À LA PRESSE À CHAUD

Publication

EP 2719788 A1 20140416 (EN)

Application

EP 12797579 A 20120608

Priority

- JP 2011130635 A 20110610
- JP 2011208032 A 20110922
- JP 2012064851 W 20120608

Abstract (en)

There is provided a hot press-formed product, including a thin steel sheet formed by a hot press-forming method, and having a metallic structure that contains martensite at 80% to 97% by area and retained austenite at 3% to 20% by area, the remainder structure of which is at 5% by area or lower, whereby balance between strength and elongation can be controlled in a proper range and high ductility can be achieved.

IPC 8 full level

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C22C 38/02 (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/14** (2013.01 - US);
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C22C 38/58 (2013.01 - US); **C22C 38/60** (2013.01 - KR); **C21D 2211/008** (2013.01 - EP US)

Cited by

EP2728027A4; EP2623226A4; EP2824195A4; EP3395992A4; US10619223B2; US11530469B2; US11203796B2; US11613789B2;
US11612926B2; US11951522B2; WO2018067554A1; EP2728027B1

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DOCDB simple family (application)

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