

Title (en)

HOT PRESS FORMING DEVICE FOR COATED STEEL AND HOT PRESS FORMING METHOD USING SAME

Title (de)

HEISSPRESSFORMVORRICHTUNG FÜR BESCHICHTETEN STAHL UND HEISSPRESSFORMVERFAHREN DAMIT

Title (fr)

DISPOSITIF DE FORMAGE À LA PRESSE À CHAUD POUR ACIER REVÊTU ET PROCÉDÉ DE FORMAGE À LA PRESSE À CHAUD L'UTILISANT

Publication

**EP 2987568 A4 20160518 (EN)**

Application

**EP 13882172 A 20131224**

Priority

- KR 20130043485 A 20130419
- KR 2013012110 W 20131224

Abstract (en)

[origin: EP2987568A1] The present invention relates to a hot press forming device for coated steel and a hot press forming method using the same, which can reduce the generation of fine cracks of a molding and can obtain uniform material properties.

IPC 8 full level

**B21D 22/20** (2006.01); **B21D 22/02** (2006.01); **B21D 22/06** (2006.01)

CPC (source: EP KR US)

**B21D 22/022** (2013.01 - EP US); **B21D 22/06** (2013.01 - EP US); **B21D 22/208** (2013.01 - EP US); **B21D 37/16** (2013.01 - KR); **B21D 53/04** (2013.01 - KR); **B30B 15/34** (2013.01 - KR)

Citation (search report)

- [XY] US 2012067098 A1 20120322 - CHIEN YONG-WAH [TW]
- [YA] EP 2436796 A1 20120404 - NISSAN MOTOR [JP], et al
- [YA] DE 102011108912 A1 20130131 - VOLKSWAGEN AG [DE]
- See references of WO 2014171610A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2987568 A1 20160224**; **EP 2987568 A4 20160518**; **EP 2987568 B1 20180801**; CN 105307793 A 20160203; JP 2016518256 A 20160623; JP 6106804 B2 20170405; KR 101482395 B1 20150113; KR 20140125562 A 20141029; US 2016082496 A1 20160324; WO 2014171610 A1 20141023

DOCDB simple family (application)

**EP 13882172 A 20131224**; CN 201380077548 A 20131224; JP 2016508851 A 20131224; KR 20130043485 A 20130419; KR 2013012110 W 20131224; US 201314785301 A 20131224