

Title (en)  
PROTRUSION MOLDING DEVICE, PROTRUSION MOLDING METHOD, AND MOLDED ARTICLE

Title (de)  
PROTRUSIONSFORMVORRICHTUNG, PROTRUSIONSFORMVERFAHREN UND FORMARTIKEL

Title (fr)  
DISPOSITIF DE MOULAGE DE SAILLIE, PROCÉDÉ DE MOULAGE DE SAILLIE ET ARTICLE MOULÉ

Publication  
**EP 3320997 A4 20190220 (EN)**

Application  
**EP 16821299 A 20160629**

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Abstract (en)  
[origin: EP3320997A1] Provided are a protrusion forming device, a protrusion forming method, and a formed article, with which a height equal to or greater than the plate thickness is possible, the edges are sharp, and cracking can be prevented. This protrusion forming device (1) is characterized by being equipped with a die unit (12) provided with a die hole (12a), and a punch unit (40) having a large punch part (41) with a size such that this part cannot be inserted into the die hole (12a), and a small punch part (42) that protrudes from the large punch part (41) toward the die unit (12) and can be inserted into the die hole (12a), and characterized in that the workpiece (W) is deformed by pressing a portion of the workpiece arranged between the die unit (12) and the punch unit (40) toward the die unit (12) by means of the punch unit (40), thereby forming a protrusion (W1).

IPC 8 full level  
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• See references of WO 2017006830A1

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