

Title (en)  
MOLD SHAPING DEVICE

Title (de)  
FORMUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE MISE EN FORME DE MOULE

Publication  
**EP 3064292 A1 20160907 (EN)**

Application  
**EP 14857419 A 20140917**

Priority  
• JP 2013225382 A 20131030  
• JP 2014074549 W 20140917

Abstract (en)  
[TASK] To provide a mold forming apparatus capable of reliably causing a foamed mixture to appropriately fill a cavity of a forming mold by a simple configuration, and capable of achieving reduction in size. [MEANS OF SOLVING THE PROBLEM] The mold forming apparatus includes: a storage tank 1 that has in its bottom 1a a plurality of injection ports 10 capable of being opened and closed, and that stores a foamed mixture; a forming mold 2 that has a plurality of runners 20, corresponding to the injection ports 10, into which the foamed mixture is introduced through the injection ports 10 of the storage tank 1, and that has cavities 21 for forming the introduced foamed mixture into a mold in a predetermined shape; and pressing means 3 that is disposed so as to correspond to the forming mold 2 and that presses the foamed mixture stored in the storage tank 1 to inject the foamed mixture into the cavities 21 through the runners 20 of the forming mold 2, wherein a parting surface 22 of the forming mold 2 is formed parallel to a pressing direction P of the pressing means 3, and the runners 20 of the forming mold 2 are formed in the parting surface 22 and are tilted with respect to the pressing direction P of the pressing means 3 so as to spread apart from inlets 20a toward outlets 20b guided to the cavities.

IPC 8 full level  
**B22C 13/08** (2006.01)

CPC (source: EP US)  
**B22C 9/046** (2013.01 - EP US); **B22C 13/08** (2013.01 - EP US); **B22C 19/00** (2013.01 - US)

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 3064292 A1 20160907**; **EP 3064292 A4 20170726**; **EP 3064292 B1 20180516**; CN 105705267 A 20160622; JP 2015085351 A 20150507; JP 5854525 B2 20160209; PL 3064292 T3 20180928; US 2016228942 A1 20160811; WO 2015064236 A1 20150507

DOCDB simple family (application)  
**EP 14857419 A 20140917**; CN 201480059833 A 20140917; JP 2013225382 A 20131030; JP 2014074549 W 20140917; PL 14857419 T 20140917; US 201414909531 A 20140917