

Title (en)  
FLASKLESS MOLD MACHINE

Title (de)  
FORMKASTENLOSE FORMMASCHINE

Title (fr)  
MACHINE À MOULER EN MOTTE

Publication  
**EP 3586997 A1 20200101 (EN)**

Application  
**EP 18799321 A 20180426**

Priority  
• JP 2017095852 A 20170512  
• JP 2018017056 W 20180426

Abstract (en)  
A flaskless molding machine includes: an upper flask; a lower flask; an upper sand tank; an upper plate attached to a lower end of the upper sand tank; a first lower sand tank; a second lower sand tank storing mold sand supplied from the first lower sand tank; a lower plate attached to an upper end of the second lower sand tank, with at least one supply port being formed, the supply port allowing the second lower sand tank to communicate with an inside of the lower flask; at least one pressure detector detecting a pressure of at least one tank among the upper sand tank, the first lower sand tank and the second lower sand tank; and a control unit connected to the pressure detector and obtaining a detection result of the at least one pressure detector.

IPC 8 full level  
**B22C 15/272** (2006.01); **B22C 15/24** (2006.01); **B22C 15/28** (2006.01)

CPC (source: EP KR US)  
**B22C 15/02** (2013.01 - US); **B22C 15/24** (2013.01 - EP KR US); **B22C 15/26** (2013.01 - US); **B22C 15/28** (2013.01 - EP KR US);  
**B22C 19/04** (2013.01 - EP)

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3586997 A1 20200101**; **EP 3586997 A4 20201125**; BR 112019019063 A2 20200422; CN 110603110 A 20191220; JP 6973481 B2 20211201; JP WO2018207646 A1 20200319; KR 20200007002 A 20200121; MX 2019013052 A 20191211; TW 201900298 A 20190101; US 2020061696 A1 20200227; WO 2018207646 A1 20181115

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