

Title (en)  
DEVICE FOR FORMING DIMENSIONALLY STABLE OBJECTS

Title (de)  
VORRICHTUNG ZUR BILDUNG FORMSTABILER OBJEKTE

Title (fr)  
DISPOSITIF DE PRODUCTION D'OBJETS À STABILITÉ DE FORME

Publication  
**EP 3448662 A1 20190306 (DE)**

Application  
**EP 17721966 A 20170419**

Priority  
• AT 503632016 A 20160425  
• EP 2017059223 W 20170419

Abstract (en)  
[origin: WO2017186534A1] A device for forming dimensionally stable objects by consolidating certain regions of a substance (3) that is not dimensionally stable, in particular a light-curable substance, by exposing it to radiation from an emitter, in particular an electromagnetic emitter (4), the device comprising a pan (2) for receiving the substance (3) and a building platform (1), which is arranged over the pan (2) and can be lowered and raised with respect to it, for bonding on and lifting off cured layers of substance (5), wherein at least one light source (6) and at least one light sensor (7), which detects the light of the light source (6), are arranged in the region of the bottom of the pan (2) in such a way that it is possible to detect a deformation of the pan (2) caused by changing of the light intensity of the light source (6) detected by the light sensor (7).

IPC 8 full level  
**B29C 67/00** (2017.01); **B33Y 30/00** (2015.01); **B33Y 50/00** (2015.01)

CPC (source: EP US)  
**B29C 64/124** (2017.07 - EP); **B29C 64/20** (2017.07 - EP); **B29C 64/245** (2017.07 - US); **B29C 64/268** (2017.07 - US);  
**B29C 64/277** (2017.07 - US); **B29C 64/386** (2017.07 - EP US); **B33Y 30/00** (2014.12 - EP US); **B33Y 50/00** (2014.12 - EP US)

Citation (search report)  
See references of WO 2017186534A1

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

DOCDB simple family (publication)  
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