

Title (en)

METHOD AND DEVICE FOR PRODUCING A MOLDED PART CONSISTING OF A PARTICLE FOAM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES AUS EINEM PARTIKELSCHAUM BESTEHENDEN FORMTEILS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FABRICATION D'UNE PIÈCE MOULÉE CONSTITUÉE D'UNE MOUSSE PARTICULAIRE

Publication

**EP 3544782 A1 20191002 (DE)**

Application

**EP 17817653 A 20171124**

Priority

- DE 102016014063 A 20161125
- EP 2017001371 W 20171124

Abstract (en)

[origin: WO2018095572A1] In order to produce a molded part consisting of a particle foam, plastic particles are introduced into a molded part cavity (K) and are foamed and/or sintered in the molded part cavity by supplying thermal energy. The thermal energy is introduced by means of multiple radiowave transmitters (24) and multiple fluid temperature control systems (15, 15a). The radiowave transmitters (24) introduce radio waves into the molded part cavity (K) and can be actuated independently of one another by a controller (13). At least one sub-tool which delimits the molded part cavity (K) is heated to partly desired temperatures by means of the fluid temperature control systems (15, 15a), and the fluid temperature control systems (15, 15a) are actuated independently of one another by the controller (13).

IPC 8 full level

**B29C 35/08** (2006.01); **B29C 44/34** (2006.01); **B29C 44/44** (2006.01)

CPC (source: EP)

**B29C 35/0805** (2013.01); **B29C 44/3415** (2013.01); **B29C 44/445** (2013.01); **B29C 44/3426** (2013.01); **B29C 2035/0861** (2013.01); **B29K 2023/12** (2013.01); **B29K 2025/06** (2013.01)

Citation (search report)

See references of WO 2018095572A1

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)

**DE 102016014063 A1 20180530**; EP 3544782 A1 20191002; WO 2018095572 A1 20180531

DOCDB simple family (application)

**DE 102016014063 A 20161125**; EP 17817653 A 20171124; EP 2017001371 W 20171124