

Title (en)
FLUIDIZED BED ROTATIONAL MOLDING

Title (de)
WIRBELBETT-ROTATIONSFORMUNG

Title (fr)
MOULAGE ROTATIF À LIT FLUIDISÉ

Publication
EP 3966013 A4 20230510 (EN)

Application
EP 19927658 A 20190509

Priority
US 2019031593 W 20190509

Abstract (en)
[origin: WO2020226660A1] Embodiments of the present disclosure include a rotational molding device. The rotational molding device comprises a frame, a vessel coupled to the frame and configured to be heated or cooled, and a mold coupled to the frame and configured to rotate about a first axis by a first rotation mechanism and configured to rotate about a second axis by a second rotation mechanism. The vessel includes a particle bed comprising a plurality of fluidized particles, the mold is configured to form a molded part, and the mold includes a cavity corresponding to a shape of the molded part.

IPC 8 full level
B29C 41/06 (2006.01); **B29C 41/18** (2006.01); **B29C 41/38** (2006.01)

CPC (source: EP)
B29C 35/0244 (2013.01); **B29C 41/06** (2013.01); **B29C 41/18** (2013.01); **B29C 41/46** (2013.01)

Citation (search report)

- [IA] DE 4204171 A1 19930819 - YMOS AG IND PRODUKTE [DE]
- [IA] JP S60139410 A 19850724 - HONDA MOTOR CO LTD
- [IA] JP S612516 A 19860108 - HONDA MOTOR CO LTD
- [A] US 4629409 A 19861216 - SATOH YASUTA [JP], et al
- [A] US 5718929 A 19980217 - ROGERSON L KEITH [US]
- [A] GB 1228745 A 19710415
- [A] JP S60157818 A 19850819 - TOYOTA MOTOR CO LTD
- [A] US 4946638 A 19900807 - TAKAMATSU SHIGEKI [JP]
- See references of WO 2020226660A1

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

DOCDB simple family (publication)
WO 2020226660 A1 20201112; CA 3139661 A1 20201112; EP 3966013 A1 20220316; EP 3966013 A4 20230510

DOCDB simple family (application)
US 2019031593 W 20190509; CA 3139661 A 20190509; EP 19927658 A 20190509