

Title (en)
PROCESS FOR PRODUCING PARTICLES OF GRANULATED MATERIAL FROM A MOLTEN MATERIAL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON GRANULATKÖRNERN AUS EINEM SCHMELZEMATERIAL

Title (fr)
PROCÉDÉ DE PRODUCTION DE GRAINS DE GRANULAT À PARTIR D'UN MATÉRIAU FONDU

Publication
EP 3077171 A1 20161012 (DE)

Application
EP 14808508 A 20141203

Priority
• DE 102013020316 A 20131205
• EP 2014003232 W 20141203

Abstract (en)
[origin: WO2015082069A1] Process for producing particles of granulated material from a molten material, the latter being extruded by being pressed through nozzle openings (8) in a perforated plate (7) into a cutting chamber (10). In the process, the molten material emerging from the nozzle openings in the perforated plate is separated into molten granules by at least one rotating cutting blade (9), which sweeps over the nozzle openings, in the cutting chamber. A first cooling fluid stream (11) of a first cooling fluid medium is fed via a first cooling fluid inlet (21) to at least a first cooling fluid opening (31), and is used to cool the molten material when it exits from and is severed at the perforated plate. Furthermore, a second cooling fluid stream (12) of a second cooling fluid medium, which differs from the first cooling fluid medium, is fed via a second cooling fluid inlet (22) to at least a second cooling fluid opening (32) downstream of the perforated plate, and is used to additionally cool the granules and carry them to an outlet (15) of the cutting chamber.

IPC 8 full level
B29B 9/06 (2006.01); **B29C 48/04** (2019.01)

CPC (source: EP US)
B29B 9/065 (2013.01 - EP US); **B29C 35/16** (2013.01 - US); **B29C 48/0022** (2019.01 - EP US); **B29C 48/04** (2019.01 - EP US); **B29C 2035/1683** (2013.01 - US); **B29K 2101/12** (2013.01 - US); **B29K 2105/0067** (2013.01 - US)

Citation (search report)
See references of WO 2015082069A1

Designated contracting state (EPC)
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