

Title (en)

NOZZLE PLATE FOR A GRANULATION DEVICE, AND GRANULATION DEVICE COMPRISING A NOZZLE PLATE

Title (de)

DÜSENPLATTE FÜR EINE GRANULIERVORRICHTUNG UND GRANULIERVORRICHTUNG MIT EINER DÜSENPLATTE

Title (fr)

PLAQUE À BUSES POUR UN DISPOSITIF DE GRANULATION ET DISPOSITIF DE GRANULATION COMPRENANT UNE PLAQUE À BUSES

Publication

**EP 2861396 A1 20150422 (DE)**

Application

**EP 13734653 A 20130613**

Priority

- DE 102012012070 A 20120615
- EP 2013001751 W 20130613

Abstract (en)

[origin: WO2013185921A1] Disclosed is a nozzle plate (10) for a granulation device, comprising a plurality of nozzles (20) for letting melt penetrate therethrough. Said nozzles (20) are arranged in such a way as to lie along a circle running about a central axis (M). Each nozzle (20) has a nozzle duct (21) and at least one nozzle port (22). A cavity (30) for receiving a free-flowing melt is formed on the rear side (11) of the nozzle plate (10). Said cavity (30) is centered about the central axis. A plurality of flow ducts (40) is formed in the nozzle plate (10). Each of said flow ducts (40) runs from the cavity (30) to one of the plurality of nozzles (20), in a direction extending parallel to the rear surface (11) and radially away from the central axis. Also disclosed is a granulation device comprising such a nozzle plate.

IPC 8 full level

**B29B 9/06** (2006.01); **B29C 48/05** (2019.01); **B29C 48/345** (2019.01); **B29C 48/04** (2019.01)

CPC (source: CN EP US)

**B29B 9/06** (2013.01 - CN EP US); **B29B 9/065** (2013.01 - CN EP US); **B29C 48/05** (2019.01 - EP US); **B29C 48/30** (2019.01 - CN); **B29C 48/345** (2019.01 - CN EP US); **B29C 48/695** (2019.01 - CN EP US); **B29C 48/04** (2019.01 - CN EP US); **B29C 48/05** (2019.01 - CN)

Citation (search report)

See references of WO 2013185921A1

Citation (examination)

- US 6592353 B1 20030715 - AKIMOTO SHUJI [JP], et al
- FR 2572013 A1 19860425 - CLEXTRAL [FR]

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)

**WO 2013185921 A1 20131219**; CN 104428119 A 20150318; DE 102012012070 A1 20131219; EP 2861396 A1 20150422; JP 2015523246 A 20150813; US 2015099023 A1 20150409

DOCDB simple family (application)

**EP 2013001751 W 20130613**; CN 201380031277 A 20130613; DE 102012012070 A 20120615; EP 13734653 A 20130613; JP 2015516509 A 20130613; US 201414568349 A 20141212