

Title (en)

DEVICE FOR GRANULATING A THERMOPLASTIC, WHICH IS EXTRUDED FROM NOZZLES

Title (de)

VORRICHTUNG ZUM GRANULIEREN VON AUS DÜSEN AUSTRETENDEN THERMOPLASTISCHEM KUNSTSTOFF

Title (fr)

DISPOSITIF DE GRANULATION DE MATIERE THERMOPLASTIQUE EXTRUDEE A PARTIR DE BUSES

Publication

**EP 1412151 A1 20040428 (DE)**

Application

**EP 02764759 A 20020723**

Priority

- DE 10137525 A 20010801
- EP 0208208 W 20020723

Abstract (en)

[origin: WO03011547A1] The invention relates to a device for granulating thermoplastics that are extruded from nozzles, the latter being provided in a nozzle disc in a substantially circular arrangement. Blades, which rotate about a blade carrier shaft and are held by a bell-shaped blade carrier in an oblique position in relation to the radial direction, sweep over said nozzles. The blade carrier shaft runs through the centre of the circular assembly, a cooling medium is fed to the nozzle disc and the blades to cool the granulated plastics and an annular intermediate chamber, traversed by the cooling medium from the interior to the exterior, is located between the blade carrier and the nozzle disc. The cavity (24) of the bell-shaped blade carrier is connected to the intermediate chamber and the cooling medium is supplied to the intermediate chamber from the cavity of the blade carrier.

IPC 1-7

**B29B 9/06**

IPC 8 full level

**B29B 9/06** (2006.01)

CPC (source: EP KR US)

**B29B 9/06** (2013.01 - KR); **B29B 9/065** (2013.01 - EP US); **B29C 48/0022** (2019.01 - EP); **B29C 48/34** (2019.01 - EP); **B29C 48/87** (2019.01 - EP); **B29C 48/04** (2019.01 - EP); **B29C 48/05** (2019.01 - EP)

Citation (search report)

See references of WO 03011547A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03011547 A1 20030213**; BR 0205822 A 20030729; CA 2454071 A1 20030213; CN 1537043 A 20041013; DE 10137525 A1 20030213; EP 1412151 A1 20040428; JP 2004535957 A 20041202; KR 20040027885 A 20040401; MX PA04000872 A 20050701; TW 575486 B 20040211; US 2004258784 A1 20041223

DOCDB simple family (application)

**EP 0208208 W 20020723**; BR 0205822 A 20020723; CA 2454071 A 20020723; CN 02814807 A 20020723; DE 10137525 A 20010801; EP 02764759 A 20020723; JP 2003516765 A 20020723; KR 20047001665 A 20020723; MX PA04000872 A 20020723; TW 91117079 A 20020730; US 48536404 A 20040804