

Title (en)

METHOD FOR PRODUCING A FOAMED GRANULATE AND USE THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GESCHÄUMTEN GRANULATS UND DESSEN VERWENDUNG

Title (fr)

PROCÉDÉ DE FABRICATION DE GRANULÉS EXPANSÉS ET LEUR UTILISATION

Publication

**EP 3592806 A1 20200115 (DE)**

Application

**EP 18707055 A 20180302**

Priority

- CH 2892017 A 20170310
- EP 2018055141 W 20180302

Abstract (en)

[origin: WO2018162339A1] The invention relates to a method in which a polyester melt containing one or more polyesters is produced, the polyester melt being foamed by a blowing agent and a foamed granulate is produced from the foamed polyester melt. The intrinsic viscosity (IV) of the polyester melt is reduced by the blowing agent about at least 0.05 dl/g, measured according to ASTM D4603, and the IV of the foamed granulate is then increased by means of a solid phase polycondensation (SSP).

IPC 8 full level

**C08J 9/16** (2006.01); **C08J 9/06** (2006.01)

CPC (source: CH EP US)

**B29B 7/007** (2013.01 - EP); **B29B 7/748** (2013.01 - EP); **B29B 9/10** (2013.01 - CH); **B29B 9/12** (2013.01 - EP); **B29C 44/3461** (2013.01 - EP);  
**B29C 48/0022** (2019.01 - EP); **C08J 9/06** (2013.01 - CH EP US); **C08J 9/16** (2013.01 - CH EP US); **C08L 67/00** (2013.01 - CH);  
B29B 7/40 (2013.01 - EP); **B29B 7/46** (2013.01 - EP); **B29B 9/06** (2013.01 - EP); **B29B 11/08** (2013.01 - EP); **B29B 11/12** (2013.01 - EP);  
B29B 2009/161 (2013.01 - CH); **B29C 49/0005** (2013.01 - EP); **B29C 49/0006** (2022.05 - EP); **B29C 49/006** (2022.05 - EP);  
B29C 49/04 (2013.01 - EP); **B29C 49/08** (2013.01 - EP); **B29C 49/42414** (2022.05 - EP); **B29K 2067/00** (2013.01 - CH EP);  
B29K 2067/003 (2013.01 - EP); **B29K 2067/046** (2013.01 - EP); **B29K 2105/0094** (2013.01 - EP); **B29K 2105/26** (2013.01 - EP);  
B29K 2995/0018 (2013.01 - EP); **B29K 2995/0063** (2013.01 - EP); **B29L 2007/00** (2013.01 - EP); **B29L 2023/00** (2013.01 - EP);  
B29L 2031/005 (2013.01 - EP); **B29L 2031/7132** (2013.01 - EP); **C08J 2201/024** (2013.01 - EP US); **C08J 2201/026** (2013.01 - EP US);  
**C08J 2201/03** (2013.01 - EP US); **C08J 2203/02** (2013.01 - EP US); **C08J 2203/10** (2013.01 - EP US); **C08J 2207/00** (2013.01 - EP US);  
**C08J 2300/12** (2013.01 - EP US); **C08J 2300/30** (2013.01 - EP US); **C08J 2367/02** (2013.01 - EP US); **C08J 2367/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2018162339A1

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 2018162339 A1 20180913**; BR 112019017543 A2 20200616; CH 713556 A1 20180914; CN 110382604 A 20191025;  
EP 3592806 A1 20200115; US 11708473 B2 20230725; US 2021269613 A1 20210902

DOCDB simple family (application)

**EP 2018055141 W 20180302**; BR 112019017543 A 20180302; CH 2892017 A 20170310; CN 201880017315 A 20180302;  
EP 18707055 A 20180302; US 201816492922 A 20180302