

Title (en)

METHOD AND APPARATUS FOR EXTRUDING FOAMED ARTICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG GESCHÄUMTER EXTRUDATE

Title (fr)

PROCEDE ET DISPOSITIF D'EXTRUSION D'ARTICLES EN MOUSSE

Publication

**EP 1112157 A1 20010704 (EN)**

Application

**EP 99941890 A 19990907**

Priority

- NL 9900552 W 19990907
- NL 1010057 A 19980910

Abstract (en)

[origin: WO0015405A1] During extrusion of foamed articles made from thermoplastic, a molten mass comprising heated, pressurized plastic which has been mixed with a foaming agent is pressed firstly through an orifice (4) which shapes the article and then through the nucleator (6). Then, the article is cooled. This results in a very fine microfoam structure. Particularly good results are obtained if the molten material is compressed for a short time immediately after it leaves the nucleator, during which compression it is ensured that no shear forces, or only slight shear forces, are generated in the molten mass.

IPC 1-7

**B29C 44/50**

IPC 8 full level

**B29C 44/46** (2006.01); **B29C 44/50** (2006.01)

CPC (source: EP)

**B29C 44/468** (2013.01); **B29C 44/507** (2016.10)

Citation (search report)

See references of WO 0015405A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0015405 A1 20000323**; AU 5536499 A 20000403; EP 1112157 A1 20010704; NL 1010057 C2 20000313

DOCDB simple family (application)

**NL 9900552 W 19990907**; AU 5536499 A 19990907; EP 99941890 A 19990907; NL 1010057 A 19980910