

Title (en)  
BODY GRABBING SWITCH

Title (de)  
SUBSTRATFESTLEGENDER SCHALTER

Title (fr)  
COMMUTATEUR ELIMINANT L'EFFET DU SUBSTRAT

Publication  
**EP 1090458 A1 20010411 (EN)**

Application  
**EP 99909770 A 19990303**

Priority  
• US 9904628 W 19990303  
• US 8697798 P 19980528

Abstract (en)  
[origin: WO9961220A1] A method and apparatus for increasing the crystallization rate of polyethylene terephthalate (PET) articles. Moisture is introduced into the amorphous material to be crystallized by passing the articles through a humidified hopper installed in a processing line after molding and before crystallizing. The hopper provides temperature and humidity control, and is sized to result in a residence time sufficient to impart a predetermined moisture content to surface portions of articles passing therethrough.

IPC 1-7  
**H03K 3/01**

IPC 8 full level  
**B29C 71/00** (2006.01); **H03K 17/06** (2006.01); **B29C 35/04** (2006.01); **B29C 49/06** (2006.01); **B29C 71/02** (2006.01)

CPC (source: EP)  
**B29C 71/0009** (2013.01); **B29C 71/0063** (2013.01); **B29C 35/049** (2013.01); **B29C 49/06** (2013.01); **B29C 49/6452** (2022.05); **B29C 49/6605** (2022.05); **B29C 71/02** (2013.01); **B29C 2949/0715** (2022.05); **B29C 2949/22** (2022.05); **B29C 2949/24** (2022.05); **B29C 2949/26** (2022.05); **B29C 2949/28** (2022.05); **B29C 2949/3024** (2022.05); **B29C 2949/3032** (2022.05); **B29K 2067/00** (2013.01); **B29K 2105/253** (2013.01); **B29K 2995/004** (2013.01); **B29K 2995/0041** (2013.01)

Citation (search report)  
See references of WO 9962171A1

Designated contracting state (EPC)  
DE GB IE IT

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**WO 9961220 A1 19991202**; AR 019590 A1 20020227; EP 1090458 A1 20010411; JP 2002517115 A 20020611; JP 4803775 B2 20111026

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**US 9911658 W 19990527**; AR P990102528 A 19990528; EP 99909770 A 19990303; JP 2000551477 A 19990303