

Title (en)
PROCESS AND DEVICE FOR COOLING MELT-EXTRUDED FILAMENTS

Title (de)
VERFAHREN UND VORRICHTUNG ZUM ABKÜHLEN SCHMELZGESPONNENER FILAMENTE

Title (fr)
PROCEDE ET DISPOSITIF PERMETTANT DE REFROIDIR DES FILAMENTS FILES EN FUSION

Publication
EP 0752020 A1 19970108 (DE)

Application
EP 96900839 A 19960117

Priority
• DE 9600089 W 19960117
• DE 19501826 A 19950121

Abstract (en)
[origin: US5766533A] PCT No. PCT/DE96/00089 Sec. 371 Date Dec. 2, 1996 Sec. 102(e) Date Dec. 2, 1996 PCT Filed Jan. 17, 1996 PCT Pub. No. WO96/22409 PCT Pub. Date Jul. 25, 1996 For the cooling of melt-extruded filaments of fiber-forming polymers spun from nozzle in molten form, said filaments are exposed to a medium prepared in foam form. The filaments emerging from the spinning nozzle are taken to the cooling area through said foam before passing on to a further process. The cooling medium, consisting of a liquid, is prepared by the addition of a gas.

IPC 1-7
D01D 5/088; **D01D 5/092**

IPC 8 full level
D01D 5/088 (2006.01); **D01D 5/092** (2006.01)

CPC (source: EP US)
D01D 5/088 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE GB IT LI

DOCDB simple family (publication)
US 5766533 A 19980616; AT E193338 T1 20000615; DE 19501826 A1 19960725; DE 59605282 D1 20000629; EP 0752020 A1 19970108; EP 0752020 B1 20000524; JP H10501589 A 19980210; WO 9622409 A1 19960725

DOCDB simple family (application)
US 71640896 A 19961202; AT 96900839 T 19960117; DE 19501826 A 19950121; DE 59605282 T 19960117; DE 9600089 W 19960117; EP 96900839 A 19960117; JP 52197496 A 19960117