

Title (en)
Modular meltblowing die

Title (de)
Modulare Schmelzblasdüse

Title (fr)
Matrice modulaire de soufflage à chaud

Publication
EP 0987352 A3 20000503 (EN)

Application
EP 99118377 A 19990916

Priority
US 15390398 A 19980916

Abstract (en)
[origin: EP0987352A2] A meltblowing die includes a die tip having an outwardly projecting triangular nosepiece defining an apex therealong, a row of hot melt holes spaced along the apex, and air holes positioned in relation to the hot melt holes to cause at least some of the filaments discharging therefrom to flare outwardly so that the hot melt filaments deposited on an underlying moving substrate has a lateral dimension greater than the length of the row of hot melt holes. The die may be operated to cause the filaments to be deposited on the substrate in a side-by-side sinusoidal, stitch-like pattern. <IMAGE>

IPC 1-7
D01D 4/02; **D01D 5/098**

IPC 8 full level
B05C 5/02 (2006.01); **D01D 4/02** (2006.01); **D01D 5/098** (2006.01)

CPC (source: EP)
B05C 5/0275 (2013.01); **D01D 4/025** (2013.01); **D01D 5/0985** (2013.01); **B05C 5/0237** (2013.01)

Citation (search report)

- [PX] EP 0866152 A1 19980923 - J & M LAB INC [US]
- [A] WO 9634132 A1 19961031 - EXXON CHEMICAL PATENTS INC [US] & US 5618566 A 19970408 - ALLEN MARTIN A [US], et al

Cited by
EP1201320A3; US6972104B2; US7316552B2; US11447893B2

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)
EP 0987352 A2 20000322; **EP 0987352 A3 20000503**

DOCDB simple family (application)
EP 99118377 A 19990916