

Title (en)
INSTALLATION FOR MAKING A NONWOVEN TEXTILE WEB AND METHOD FOR USING SUCH AN INSTALLATION

Title (de)
VORRICHTUNG ZUR HERSTELLUNG EINER FASERVLIESBAHN SOWIE VERFAHREN ZUR DURCHFÜHRUNG DIESER VORRICHTUNG

Title (fr)
INSTALLATION POUR LA FABRICATION D'UNE NAPPE TEXTILE NON TISSEE ET PROCEDE DE MISE EN OEUVRE D'UNE TELLE INSTALLATION

Publication
EP 1190125 A1 20020327 (FR)

Application
EP 00922702 A 20000420

Priority
• FR 0001049 W 20000420
• FR 9905401 A 19990423

Abstract (en)
[origin: WO0065133A2] The invention concerns an installation comprising at least an extruder (1) for a melted organic polymer feeding a die (2) for producing a curtain of filaments (3); a cooling zone (4) for providing at least surface solidification of said extruded filaments; a suction device (5) in the form of a narrow chamber with rectangular cross-section, wherein the curtain of filaments is subjected to the action of high speed air streams causing the filaments to be drawn; means (6) for deflecting and slowing down the air flow at the outlet of the drawing slot and for distributing the filaments homogeneously on a receiving belt (7). The invention is characterised in that the means for producing the different operational phases, namely the extruding means, the cooling means, the filament drawing assembly and the distributing means, are separate from one another and can be individually adjusted, not only based on the production to be obtained (type of polymers, elementary yarn count of the filaments produced, weight per unit area of the web produced), but also at the beginning of production.

IPC 1-7
D01D 5/098; **D04H 3/02**

IPC 8 full level
D01D 5/098 (2006.01); **D04H 3/005** (2012.01); **D04H 3/02** (2006.01); **D04H 3/03** (2012.01); **D04H 3/04** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP)
D04H 3/005 (2013.01); **D04H 3/02** (2013.01); **D04H 3/03** (2013.01); **D04H 3/04** (2013.01); **D04H 3/16** (2013.01)

Citation (search report)
See references of WO 0065133A2

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 0065133 A2 20001102; **WO 0065133 A3 20021003**; AT E279553 T1 20041015; AU 4301200 A 20001110; CN 1348514 A 20020508; DE 60014900 D1 20041118; DE 60014900 T2 20050303; EP 1190125 A1 20020327; EP 1190125 B1 20041013; FR 2792655 A1 20001027; FR 2792655 B1 20010601; IL 146028 A0 20020725; JP 2002543298 A 20021217; PL 351117 A1 20030324; TR 200103044 T2 20020521

DOCDB simple family (application)
FR 0001049 W 20000420; AT 00922702 T 20000420; AU 4301200 A 20000420; CN 00806624 A 20000420; DE 60014900 T 20000420; EP 00922702 A 20000420; FR 9905401 A 19990423; IL 14602800 A 20000420; JP 2000613863 A 20000420; PL 35111700 A 20000420; TR 200103044 T 20000420