Title (en)

PROCESS AND APPARATUS FOR EXTRUSION OF SYNTHETIC FIBRES TO FORM A FIBROUS NONWOVEN WEB

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ABLEGEN SYNTHETISCHER FASERN ZU EINEM VLIES

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR COUCHER DES FIBRES SYNTHÉTIQUES DE MANIÈRE À FORMER UN NON-TISSÉ

Publication

EP 2057308 A1 20090513 (DE)

Application

EP 07802945 A 20070828

Priority

- EP 2007058922 W 20070828
- DE 102006041131 A 20060901

Abstract (en)

[origin: WO2008025767A1] The invention relates to a process and apparatus for extrusion of synthetic fibres to produce a fibrous nonwoven web wherein a plurality of spinning means are provided to extrude a multiplicity of fibrous strands in a plurality of fibre groups. The spinning means are connected to one or more sources of polymer melt. To collect and lay down the fibrous strands, a moveable lay-down means is provided, so that the fibrous strands can be continuously collected and moved. To achieve very high manufacturing capacity utilization coupled with flexible use, the invention provides that one of the spinning means is guided from an operating position into a quiescent position independently of any adjacent spinning means, by a horizontal movement essentially transversely to the transport direction of the lay-down means. In the quiescent position, retrofitting and/or maintenance work can be carried out on the spinning means.

IPC 8 full level

D01D 5/098 (2006.01); **D04H 1/56** (2006.01); **D04H 3/16** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)

D01D 5/0985 (2013.01); **D04H 3/007** (2013.01); **D04H 3/009** (2013.01); **D04H 3/011** (2013.01); **D04H 3/14** (2013.01); **D04H 3/153** (2013.01); **D04H 3/16** (2013.01)

Citation (search report)

See references of WO 2008025767A1

Designated contracting state (EPC)

CH DE FR IT LI

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006041131 A1 20080306; CN 101506411 A 20090812; EP 2057308 A1 20090513; WO 2008025767 A1 20080306

DOCDB simple family (application)

DE 102006041131 A 20060901; CN 200780031421 A 20070828; EP 07802945 A 20070828; EP 2007058922 W 20070828