

Title (en)

Method and apparatus for the manufacture of spunbond webs

Title (de)

Verfahren und Vorrichtung zur Herstellung eines Spinnvlieses

Title (fr)

Procédé et dispositif pour la fabrication de non-tissés du type spunbonded

Publication

EP 1277867 A1 20030122 (DE)

Application

EP 02008606 A 20020417

Priority

DE 10133790 A 20010716

Abstract (en)

In a process to spin fleece fibres, a curtain array of fibres are spun in parallel, drawn from numerous capillaries by aerodynamic forces and discharged from a stretching passage (12). The warp thread (8) emerging from the passage (12) is subjected to alternating horizontal air buffeting on both sides, causing transverse thread motion. <??>As seen in the horizontal plane, the air buffeting is inclined with respect to the emerging thread (8). Each buffet impulse is separated from the next opposing buffet cycle by a time lapse. The air is directed at right angles to the emerging fibre (8). The air is directed at 15 with respect to the horizontal or vertical plane. Also claimed is a commensurate assembly. A preferred embodiment has a hollow roller with slits, located in a passage within a separate longitudinal passage.

Abstract (de)

Verfahren zur Herstellung eines Spinnvlieses durch Ausspinnen einer parallel nebeneinander angeordneten linearen Fadenschar in Form eines Vorhangs aus einer Vielzahl von Spinnkapillaren mit aerodynamischem Abziehen und Verstrecken der Fadenschar, wobei die aus dem Verstreckungskanal (12) austretende oder einer Spule abgezogene Fadenschar (8) von einem Luftstrom mit periodisch wechselnden Richtungen seitlich quer bewegt wird, wobei der Luftstrom in horizontaler Ebene gesehen schräg zur Fadenschar (8) abwechselnd ausgerichtet ist. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

D01D 5/0985 (2013.01 - EP US); **D04H 3/16** (2013.01 - EP US)

Citation (search report)

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DE FR IT

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EP 1277867 A1 20030122; JP 2003073965 A 20030312; JP 3659939 B2 20050615; TW 591148 B 20040611; US 2003030175 A1 20030213; US 7504062 B2 20090317

DOCDB simple family (application)

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