

Title (en)

Process and apparatus for manufacturing a non-woven structure and non-woven for use therein

Title (de)

Verfahren und Anlage zur Herstellung eines Formkörpers aus Vliesstoff, danach hergestellte Vliesstoffe und deren Anwendung

Title (fr)

Procédé et dispositif de fabrication d'un non-tissé en forme, non-tissé obtenu et son utilisation

Publication

**EP 0524052 B1 19970924 (FR)**

Application

**EP 92401931 A 19920706**

Priority

FR 9109254 A 19910716

Abstract (en)

[origin: EP0524052A1] The process of the invention involves feeding fibres to a card over a limited width of the latter, superposing the card web in at least ten layers, then needling the superposed layers. The superposition is preferably carried out by winding on a cylindrical drum. The non-woven structure according to the invention has a thickness which decreases progressively towards its lateral selvages. There is obtained a sliver which has an assymetric shape in cross-section by means of a longitudinal dissecting cut, for example along the mid-axis (16), and, if appropriate, two longitudinal cuts along the selvages. <IMAGE>

IPC 1-7

**D04H 18/00**; **D01G 25/00**

IPC 8 full level

**D01G 25/00** (2006.01); **D04H 1/498** (2012.01); **D04H 18/00** (2012.01)

CPC (source: EP US)

**D01G 25/00** (2013.01 - EP US); **D04H 1/498** (2013.01 - EP US); **D04H 18/02** (2013.01 - EP US)

Cited by

FR2770855A1; FR2739873A1; WO9924650A1

Designated contracting state (EPC)

AT BE CH DE DK ES GB IT LI NL SE

DOCDB simple family (publication)

**EP 0524052 A1 19930120**; **EP 0524052 B1 19970924**; AT E158620 T1 19971015; CA 2073260 A1 19930117; CN 1049029 C 20000202; CN 1070014 A 19930317; DE 69222377 D1 19971030; DE 69222377 T2 19980416; DK 0524052 T3 19980504; ES 2112305 T3 19980401; FR 2679266 A1 19930122; FR 2679266 B1 19950623; JP H05195398 A 19930803; US 5325571 A 19940705

DOCDB simple family (application)

**EP 92401931 A 19920706**; AT 92401931 T 19920706; CA 2073260 A 19920707; CN 92108873 A 19920715; DE 69222377 T 19920706; DK 92401931 T 19920706; ES 92401931 T 19920706; FR 9109254 A 19910716; JP 21219592 A 19920716; US 90840292 A 19920706