

Title (en)

Method of regulating the thermal bonding process of synthetic fibre webs

Title (de)

Verfahren zur Regelung der thermischen Vliesverfestigung für Kunstfasern

Title (fr)

Méthode de réglage du procédé de thermoliage des produits non-tissés à base de fibres synthétiques

Publication

**EP 0799922 B1 19991103 (EN)**

Application

**EP 97660030 A 19970314**

Priority

FI 961252 A 19960318

Abstract (en)

[origin: EP0799922A1] A regulation method for regulating the thermobonding processes of synthetic fibre webs and the production processes of synthetic fibres for the preparation of nonwoven fibre fabrics having the desired strength properties. In the method according to the invention, fibres are made from a polymer, especially a polyolefin polymer, using melt spinning methods, and from these fibres, fibre fabric is made using thermal bonding methods. The central processing conditions of both the fibre and the fabric are adapted using the regulation method according to the invention and associated regulation model so that as a result of thermobonding, the desired nonwoven fabric is obtained having regulated strength properties.

IPC 1-7

**D04H 1/54**; D04H 3/14; D01F 1/00; D01F 6/06

IPC 8 full level

**D01F 6/06** (2006.01); **D04H 1/4326** (2012.01); **D04H 1/54** (2012.01)

CPC (source: EP)

**D01F 6/06** (2013.01); **D04H 1/4326** (2013.01); **D04H 1/54** (2013.01)

Cited by

EP0846793A4; EP0915192A3; DE19813341A1; US6223398B1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0799922 A1 19971008**; **EP 0799922 B1 19991103**; AT E186341 T1 19991115; DE 69700715 D1 19991209; DE 69700715 T2 20000615; FI 101087 B 19980415; FI 961252 A0 19960318; FI 961252 A 19970919

DOCDB simple family (application)

**EP 97660030 A 19970314**; AT 97660030 T 19970314; DE 69700715 T 19970314; FI 961252 A 19960318