

Title (en)

Method and apparatus for consolidating a fibrous fleece

Title (de)

Verfahren und Vorrichtung zur Verfestigung eines Faservlieses

Title (fr)

Procédé et dispositif de consolidation d'un non-tissé fibreux

Publication

EP 0751249 B1 20031022 (DE)

Application

EP 96110029 A 19960621

Priority

DE 19522763 A 19950627

Abstract (en)

[origin: EP0751249A2] A process is for consolidating a nonwoven consisting of synthetic staple fibres (e.g. polyester, polyethylene or polypropylene fibres) and/or of natural fibres. The nonwoven is up to 10 mm thick and the process involves laying the nonwoven, which is produced on a card or aerodynamically, on a previously consolidated web. The nonwoven is then joined with the support web in a continuous treatment process by means of water needling with a water pressure of at least 100 (pref. 180) bar.

IPC 1-7

D04H 1/46; **D04H 13/00**

IPC 8 full level

D04H 1/46 (2006.01); **D04H 13/00** (2006.01); **D04H 18/04** (2012.01)

CPC (source: EP US)

D04H 18/04 (2013.01 - EP US)

Cited by

CN105934546A; US9878517B2; WO2013092978A1; WO2007077214A1; WO2015055177A1; WO02068744A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0751249 A2 19970102; **EP 0751249 A3 20000607**; **EP 0751249 B1 20031022**; DE 19522763 A1 19970102; DE 59610781 D1 20031127; US 5701643 A 19971230

DOCDB simple family (application)

EP 96110029 A 19960621; DE 19522763 A 19950627; DE 59610781 T 19960621; US 67134396 A 19960627