

Title (en)  
Stitch-stabilized nonwoven fabric.

Title (de)  
Durch Steppen stabilisiertes Gewebe.

Title (fr)  
Tissu non tissé stabilisé par couture-tricotage.

Publication  
**EP 0476193 B1 19941214**

Application  
**EP 90310260 A 19900919**

Priority  
US 40657689 A 19890913

Abstract (en)  
[origin: GB2236771A] A stitchbonded nonwoven fabric which comprises a fibrous layer is reinforced in a first direction with bulkable thread and in a second direction with substantially inextensible thread, the reinforcing directions being at an angle of at least 50 degrees with each other, exhibits superior strength, resistance to splitting and repeated washability. The bulkable thread may be spandex wrapped with inelastic thread, or textured polyester nylon or polypropylene. The inextensible thread may be the bulkable thread and be inextensible during the stitching. It may be laid as wefts before stitching or the two threads stitched together. The bulkable thread may be deformed out of the plane of the fabric by chemical action, moisture or 50 to 200 degrees C, heat to contract the fabric. <IMAGE>

IPC 1-7  
**D04H 1/52**; **D04H 3/10**

IPC 8 full level  
**A41D 31/00** (2006.01); **A41D 31/02** (2006.01); **D02G 3/46** (2006.01); **D04B 21/14** (2006.01); **D04H 1/45** (2006.01); **D04H 3/10** (2012.01); **D04H 17/00** (2006.01); **D05B 11/00** (2006.01)

CPC (source: EP KR)  
**D04B 21/165** (2013.01 - EP); **D04B 21/18** (2013.01 - EP); **D04H 1/45** (2013.01 - KR); **D04H 1/52** (2013.01 - KR); **D04H 3/10** (2013.01 - EP); **D10B 2401/041** (2013.01 - EP)

Cited by  
EP3872244A1; US6521554B1; US8685521B2; WO2004076733A1; WO0050679A1; US11884899B2; US10822578B2; US11220086B2; US11760055B2

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**GB 2236771 A 19910417**; **GB 2236771 B 19940202**; **GB 9019941 D0 19901024**; AU 6259390 A 19910328; CA 2025126 A1 19910314; CA 2025126 C 20000502; CN 1050236 A 19910327; EP 0476193 A1 19920325; EP 0476193 B1 19941214; JP 2972837 B2 19991108; JP H03206162 A 19910909; KR 0133848 B1 19980424; KR 910006542 A 19910429

DOCDB simple family (application)  
**GB 9019941 A 19900912**; AU 6259390 A 19900913; CA 2025126 A 19900912; CN 90107626 A 19900913; EP 90310260 A 19900919; JP 24367790 A 19900913; KR 900014424 A 19900913