

Title (en)

FABRIC FORMED FROM A LARGELY UNTWISTED YARN

Title (de)

AUS WEITGEHEND UNGEDREHTEM GARN GEBILDETES GEWEBE

Title (fr)

TISSU A BASE DE FIL EN GRANDE PARTIE SANS TORSION

Publication

EP 1699956 A1 20060913 (EN)

Application

EP 04806776 A 20041229

Priority

- IN 2004000429 W 20041229
- US 53360303 P 20031230

Abstract (en)

[origin: US2005142972A1] Presented is a fabric comprised of a staple fiber yarn exhibiting a twist multiplier of less than a prescribed value, preferably 1.5. Yarn is formed from staple fibers twisted together with a certain number or twists-per-inch. The twist-per-inch of the yarn in the fabric is related to the yarn count and a proper balancing of the two results in a twist multiplier of preferably less than 1.5. The Yarn Count is indirectly related to the fiber diameter. The fabric embodying the present invention has a softer more luxurious feel, more bulk, and greater absorbency than a conventional fabric.

IPC 8 full level

D03D 23/00 (2006.01); **D02G 3/34** (2006.01); **D03D 15/00** (2006.01); **D04B 1/00** (2006.01); **D04B 1/14** (2006.01)

CPC (source: EP US)

D02G 3/34 (2013.01 - EP US); **D03D 15/217** (2021.01 - EP US); **D03D 15/41** (2021.01 - EP US); **D04B 1/14** (2013.01 - EP US); **D10B 2201/02** (2013.01 - EP US); **D10B 2401/02** (2013.01 - EP US); **D10B 2501/00** (2013.01 - EP US); **D10B 2503/06** (2013.01 - EP US); **Y10T 442/30** (2015.04 - EP US); **Y10T 442/3065** (2015.04 - EP US); **Y10T 442/40** (2015.04 - EP US); **Y10T 442/425** (2015.04 - EP US)

Citation (search report)

See references of WO 2005064056A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2005142972 A1 20050630; AU 2004309180 A1 20050714; CA 2551280 A1 20050714; EP 1699956 A1 20060913; JP 2007517144 A 20070628; WO 2005064056 A1 20050714

DOCDB simple family (application)

US 1401804 A 20041215; AU 2004309180 A 20041229; CA 2551280 A 20041229; EP 04806776 A 20041229; IN 2004000429 W 20041229; JP 2006546484 A 20041229