

Title (en)

CLOTH AND CLOTH PRODUCT TO BE BROUGHT DIRECTLY IN TOUCH WITH HUMAN SKIN

Title (de)

TEXTILMATERIAL UND TEXTILES ELEMENT DIE IN DIREKTEM KONTAKT MIT DER MENSCHLICHEN HAUT KOMMEN

Title (fr)

TEXTILE ET ELEMENT DE TEXTILE EN CONTACT DIRECT AVEC LA PEAU

Publication

EP 1188853 B1 20080723 (EN)

Application

EP 00922917 A 20000428

Priority

- JP 0002852 W 20000428
- JP 12143899 A 19990428

Abstract (en)

[origin: EP1188853A1] The present invention provides a fabric which is prepared from filamentary material. The fabric according to the present invention is preferably used for an undergarments and, shows excellent sweat absorbability, gives a cool and refreshing feeling in summer, is soft to the touch and warm in winter, exhibits excellent stretchability and smoothness, produces decreased physical frictional irritation to the skin and a comfortable wearable feeling, and maintains an aesthetic appearance. The fabric of the present invention comprises a knitted or woven fabric obtained by knitting or weaving a composite crimped yarn prepared by combining cellulose multifilaments and synthetic fiber multifilaments at least one of which are false twisted, and satisfying the following requirements (a) to (e): (a) the mixing ratio of the cellulose multifilaments in the composite crimped yarn is from 15 to 85% by weight; (b) the total size of the composite crimped yarn is from 44 to 333 dtex; (c) the single filament size of the cellulose multifilaments is from 0.1 to 5.6 dtex; (d) the single filament size of the synthetic fiber multifilaments is from 0.1 to 5.6 dtex; and (e) the crimp stretchability of the composite crimped yarn is greater than 4.0% and 35% or less.

IPC 8 full level

D03D 15/00 (2006.01); **D02G 1/02** (2006.01); **D04B 1/14** (2006.01)

CPC (source: EP KR US)

D03D 1/00 (2013.01 - KR); **D03D 15/00** (2013.01 - EP US); **D03D 15/208** (2021.01 - KR); **D03D 15/225** (2021.01 - EP US); **D03D 15/283** (2021.01 - EP US); **D03D 15/33** (2021.01 - EP); **D03D 15/37** (2021.01 - EP US); **D03D 15/47** (2021.01 - KR); **D03D 15/49** (2021.01 - EP); **D03D 15/56** (2021.01 - KR); **D04B 1/14** (2013.01 - EP); **D04B 21/14** (2013.01 - KR); **D04B 21/207** (2013.01 - KR); **D10B 2201/02** (2013.01 - EP); **D10B 2321/02** (2013.01 - EP); **D10B 2321/10** (2013.01 - EP); **D10B 2331/02** (2013.01 - EP); **D10B 2331/04** (2013.01 - EP); **D10B 2401/021** (2013.01 - EP); **D10B 2401/061** (2013.01 - EP); **D10B 2401/062** (2013.01 - EP); **D10B 2501/00** (2013.01 - KR); **D10B 2501/02** (2013.01 - EP KR); **D10B 2501/04** (2013.01 - EP); **D10B 2501/043** (2013.01 - EP); **D10B 2503/06** (2013.01 - EP); **D10B 2509/026** (2013.01 - EP)

Cited by

CN104169478A; FR2974978A1; US10597803B2; WO2012153077A2; WO2013121419A1; WO2012153077A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1188853 A1 20020320; **EP 1188853 A4 20040512**; **EP 1188853 B1 20080723**; AU 4316000 A 20001117; CN 1263910 C 20060712; CN 1349572 A 20020515; DE 60039603 D1 20080904; HK 1045180 A1 20021115; HK 1045543 A1 20021129; HK 1045543 B 20070209; JP 3701872 B2 20051005; KR 100475218 B1 20050310; KR 20020005019 A 20020116; TW 539539 B 20030701; WO 0066822 A1 20001109

DOCDB simple family (application)

EP 00922917 A 20000428; AU 4316000 A 20000428; CN 00806819 A 20000428; DE 60039603 T 20000428; HK 02105986 A 20020815; HK 02107018 A 20020926; JP 0002852 W 20000428; JP 2000615440 A 20000428; KR 20017013767 A 20011026; TW 89108006 A 20000427