

Title (en)  
PILE FABRIC AND PRODUCTION METHOD

Title (de)  
FLORGEWEBE UND HERSTELLUNGSVERFAHREN

Title (fr)  
TISSU À POILS ET PROCÉDÉ DE PRODUCTION

Publication  
**EP 3029188 A4 20170322 (EN)**

Application  
**EP 14882741 A 20140331**

Priority  
• JP 2014026215 A 20140214  
• JP 2014059564 W 20140331

Abstract (en)  
[origin: EP3029188A1] To provide a pile woven fabric that has both of lightness and thinness almost equivalent to those of a typical clothing fabric and water absorbency property, heat-retaining property, breathability, good touch feeling, etc. of towel cloth. The pile woven fabric has pile height lower than the typical towel cloth (comparison example) (first structure). The pile woven fabric has a pile formed of a cotton yarn that has a yarn count finer than that of the comparison example (second structure). The pile woven fabric has pile density higher than that of the comparison example (third structure). In the pile woven fabric, the cotton yarn is twisted together with a water-soluble yarn such that the water-soluble yarn is twisted in a direction opposite to a twisting direction of the cotton yarn, and, after weaving processing, the water-soluble yarn is removed to induce reverse twisting of the cotton yarn (fourth structure).

IPC 8 full level  
**D03D 27/00** (2006.01); **D03D 15/68** (2021.01); **D03D 27/08** (2006.01)

CPC (source: EP US)  
**D02G 3/406** (2013.01 - EP US); **D03D 15/47** (2021.01 - EP US); **D03D 15/68** (2021.01 - EP US); **D03D 27/06** (2013.01 - US); **D03D 27/08** (2013.01 - EP US); **D03D 39/20** (2013.01 - US); **D06H 7/22** (2013.01 - US); **D10B 2201/02** (2013.01 - EP US)

Citation (search report)  
• [A] EP 2434035 A1 20120328 - TRIDENT LTD [IN]  
• [A] CN 202027495 U 20111109 - NANTONG DADONG CO LTD  
• [A] DE 4429500 A1 19960111 - SCHELLENS LEO BV [NL]  
• See references of WO 2015122025A1

Cited by  
GB2544864A; GB2544864B; EP3031965A4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3029188 A1 20160608; EP 3029188 A4 20170322; EP 3029188 B1 20181017**; CN 105531411 A 20160427; CN 109402842 A 20190301; HK 1219519 A1 20170407; TW 201531606 A 20150816; TW I527948 B 20160401; US 2016208420 A1 20160721; WO 2015122025 A1 20150820

DOCDB simple family (application)  
**EP 14882741 A 20140331**; CN 201480043368 A 20140331; CN 201811211657 A 20140331; HK 16107573 A 20160629; JP 2014059564 W 20140331; TW 104104673 A 20150212; US 201414914509 A 20140331