

Title (en)

WATER-REPELLENT WOVEN OR KNITTED FABRIC, AND METHOD FOR PRODUCING SAME

Title (de)

WASSERABWEISENDE WEB- ODER STRICKWARE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

TISSU TISSÉ OU TRICOTÉ HYDROFUGE, ET PROCÉDÉ DE PRODUCTION DUDIT TISSU TISSÉ OU TRICOTÉ HYDROFUGE

Publication

**EP 3354777 B1 20200212 (EN)**

Application

**EP 17813379 A 20170615**

Priority

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- JP 2016140404 A 20160715
- JP 2017022101 W 20170615

Abstract (en)

[origin: EP3354777A1] Provided is a water-repellent woven or knitted fabric having excellent lightweightness and a feeling with sufficient anti-drape and stiffness and also having significantly superior water repellency associated with Lotus effect. A water-repellent woven or knitted fabric which contains a mixed entangled yarn and has a water-repellent agent adhered onto the surface thereof. The mixed entangled yarn is configured from a polyester fiber A having a single fiber fineness of 0.2 to 0.9 dtex and a total fineness of 30 to 100 dtex and a polyester fiber B having a single fiber fineness of 1.0 to 5.0 dtex and a total fineness of 30 to 100 dtex. The single fiber fineness ratio (A/B) of the polyester fiber A to the polyester fiber B is in the range from 1/20 to 1/5. The mass ratio (A/B) of the polyester fiber A to the polyester fiber B is in the range from 20/80 to 80/20. On the surface portion of the mixed entangled yarn, protrusions of the polyester fiber A are formed. The elongation percentage (a fixed loading method, load: 14.7 N) of the fabric as measured in accordance with JIS L 1096:2010 is 3% or less in the case where the fabric has a woven form and is 120% or less in the case where the fabric has a knitted form.

IPC 8 full level

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CPC (source: EP KR)

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Cited by

CN112481786A; US11098442B2

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