

Title (en)

FIBER BLENDS WITH IMPROVED MOISTURE MANAGEMENT PROPERTIES

Title (de)

MISCHFASERN MIT VERBESSERTEN FEUCHTIGKEITSMANAGEMENTEIGENSCHAFTEN

Title (fr)

MÉLANGES DE FIBRES PRÉSENTANT DES PROPRIÉTÉS AMÉLIORÉES DE GESTION DE L'HUMIDITÉ

Publication

EP 3080342 A4 20170906 (EN)

Application

EP 14869606 A 20141104

Priority

- US 201361914080 P 20131210
- US 2014063824 W 20141104

Abstract (en)

[origin: WO2015088672A1] Fiber blends having hydrophobic fibers of both multiple staple lengths and multiple deniers of a single composition are disclosed. Yarns, fabrics, garments, and linens comprising the fiber blends with improved moisture management properties are also disclosed. Fabrics formed from the fiber blends have a water release rate at least about 10% greater than a comparative fabric that is compositionally identical but whose hydrophobic fibers are not both of multiple staple lengths and multiple deniers.

IPC 8 full level

D01F 1/10 (2006.01)

CPC (source: EP US)

D01F 6/62 (2013.01 - US); **D02G 3/04** (2013.01 - EP US); **D02G 3/441** (2013.01 - US); **D10B 2201/02** (2013.01 - US); **D10B 2331/04** (2013.01 - US); **D10B 2401/02** (2013.01 - EP US); **D10B 2501/00** (2013.01 - US); **Y10T 428/249921** (2015.04 - EP US)

Citation (search report)

- [X] JP 2010261128 A 20101118 - TOYOBO SPECIALTIES TRADING CO
- [X] EP 0024198 A1 19810225 - CELANESE CORP [US]
- [X] GB 947183 A 19640122 - HOECHST AG
- [X] GB 2039560 A 19800813 - TEIJIN LTD
- [X] GB 1227945 A 19710415
- See references of WO 2015088672A1

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

DOCDB simple family (publication)

WO 2015088672 A1 20150618; AU 2014361936 A1 20160526; CA 2930568 A1 20150618; CN 104903499 A 20150909; CN 104903499 B 20170606; EP 3080342 A1 20161019; EP 3080342 A4 20170906; HK 1212402 A1 20160610; IN 2796KON2014 A 20150612; JP 2017501313 A 20170112; MX 2016007579 A 20161003; US 2015354097 A1 20151210

DOCDB simple family (application)

US 2014063824 W 20141104; AU 2014361936 A 20141104; CA 2930568 A 20141104; CN 201480001458 A 20141104; EP 14869606 A 20141104; HK 16100298 A 20160112; IN 2796KON2014 A 20141203; JP 2016535638 A 20141104; MX 2016007579 A 20141104; US 201414760379 A 20141104