

Title (en)

A HEAT RESISTANT, STAIN RESISTANT, AND ANTI-BACTERIAL FABRIC AND METHOD OF MAKING SAME

Title (de)

HITZBESTÄNDIGER, SCHMUTZABWEISENDER UND ANTIBAKTERIELLER STOFF UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

TISSU ANTIBACTÉRIEN RÉSISTANT À LA CHALEUR ET ANTI-TACHES ET SON PROCÉDÉ DE FABRICATION

Publication

EP 3397401 A4 20200205 (EN)

Application

EP 16882346 A 20161218

Priority

- US 201514971780 A 20151216
- US 2016067408 W 20161218

Abstract (en)

[origin: US2017175324A1] A high performance fabric comprised of a plurality of high-performance fibers coated with an anti-microbial compound and an anti-stain compound, where the high-performance fibers are polyester microfibers for comfort. The anti-microbial compound is a wash resistant non-organic antibacterial or a non-organic microbicial. The anti-stain compound is hydrophobic or superhydrophobic, preferably polytetrafluoroethylene or silicone. Optionally, additional flame resistant fibers are interwoven with the high-performance fibers to increase flame resistance.

IPC 8 full level

B05D 5/00 (2006.01); **D03D 15/00** (2006.01); **D06M 11/83** (2006.01); **D06M 15/256** (2006.01); **D06M 23/10** (2006.01); **D06M 101/32** (2006.01)

CPC (source: EP US)

D06M 11/01 (2013.01 - EP US); **D06M 15/256** (2013.01 - EP US); **D06M 15/643** (2013.01 - EP US); **D06M 2200/10** (2013.01 - EP US); **D06M 2200/12** (2013.01 - EP US); **D06M 2200/30** (2013.01 - EP US)

Citation (search report)

- [X] US 2010120309 A1 20100513 - ARNOLD JUERGEN [DE], et al
- [X] US 2005272333 A1 20051208 - WANG YUNZHANG [US], et al
- [A] US 2006166579 A1 20060727 - SMITH JOHN M III [US], et al

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)

US 2017175324 A1 20170622; CN 109414725 A 20190301; EP 3397401 A1 20181107; EP 3397401 A4 20200205; WO 2017116778 A1 20170706

DOCDB simple family (application)

US 201514971780 A 20151216; CN 201680076614 A 20161218; EP 16882346 A 20161218; US 2016067408 W 20161218