

Title (en)  
ANTIMICROBIAL AND ANTIBACTERIAL THERMAL-REGULATING FABRIC FOR USE IN GARMENTS, WITHIN GARMENTS AND IN OTHER OBJECTS

Title (de)  
ANTIMIKROBIELLES UND ANTIBAKTERIELLES WÄRMEREGULIERENDES GEWEBE ZUR VERWENDUNG IN KLEIDUNGSSTÜCKEN, IN KLEIDUNGSSTÜCKEN UND ANDEREN OBJEKTEN

Title (fr)  
TISSU À RÉGULATION THERMIQUE ANTIMICROBIEN ET ANTIBACTÉRIEN DESTINÉ À ÊTRE UTILISÉ DANS DES VÊTEMENTS, À L'INTÉRIEUR DE VÊTEMENTS ET DANS D'AUTRES OBJETS

Publication  
**EP 4359599 A1 20240501 (EN)**

Application  
**EP 22829093 A 20220621**

Priority  
• US 202163213057 P 20210621  
• US 202217844239 A 20220620  
• US 2022034211 W 20220621

Abstract (en)  
[origin: US2022403585A1] The present invention concerns the creating of a fabric made from a novel effective mixture of fibers having antimicrobial properties and fibers providing thermal-regulating properties, for use in the creation of garments and other items used to aid in the health and comfort of the body part and the individual using the fabric. In a preferred embodiment a fifty-fifty mixture of brand name fibers PurThread® having antimicrobial elements, including silver, and Outlast®, having thermal-regulating properties, is made and added to additional fibers having such properties as elasticity and durability and a fabric is woven at least in part therefrom. Some objects that can be created using the prescribed mixture are socks, gloves, body suits, support hosiery and other garments as well as face masks, bedding and wound coverings all helping to deter the setting in of microbes and the thermal-regulation of the body or body part therewithin.

IPC 8 full level  
**D03D 15/50** (2021.01); **D03D 15/513** (2021.01); **D06M 11/42** (2006.01); **D06M 23/08** (2006.01)

CPC (source: EP US)  
**D06M 11/42** (2013.01 - US); **D06M 23/12** (2013.01 - EP); **D06M 2101/32** (2013.01 - EP); **D10B 2401/13** (2013.01 - US); **D10B 2501/04** (2013.01 - US); **D10B 2503/06** (2013.01 - US)

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**US 2022403585 A1 20221222**; CA 3225207 A1 20221229; CN 117580985 A 20240220; EP 4359599 A1 20240501; WO 2022271610 A1 20221229

DOCDB simple family (application)  
**US 202217844239 A 20220620**; CA 3225207 A 20220621; CN 202280044087 A 20220621; EP 22829093 A 20220621; US 2022034211 W 20220621