

Title (en)
ANTIMICROBIAL MULTILAYER KNITTED FABRIC HAVING AIR LAYER, AND MANUFACTURING METHOD THEREFOR

Title (de)
ANTIMIKROBIELLES MEHRSCHICHTGESTRICK MIT LUFTSCHICHT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
TISSU TRICOTÉ MULTICOUCHE ANTIMICROBIEN COMPRENANT UNE COUCHE D'AIR, ET SON PROCÉDÉ DE FABRICATION

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Application
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Abstract (en)
[origin: US2021198818A1] The present invention relates to a multilayer knit fabric and a manufacturing method for the same and, more particularly, to an antimicrobial multilayer knit fabric having an air layer and a manufacturing method for the same. The multilayer knit fabric of the present invention comprises an upper knit fabric, a lower knit fabric, and a vertical knit fabric including a monofilament yarn, where the upper and lower knit fabrics are spaced apart from each other by the vertical knit fabric to form an air layer inside.

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Citation (search report)
• [XYI] US 2012177904 A1 20120712 - GEHRING JR GEORGE [US]
• [XYI] WO 2011108954 A1 20110909 - IMPETUS PORTUGAL TEXTEIS SA [PT], et al
• [Y] KR 101866418 B1 20180704 - LSK FINETEX CO LTD [KR] & KR 101074692 B1 20111019 - CHANG SHIN WOO [KR]
• [Y] EP 2790463 B1 20150930 - NISSAN MOTOR [JP]
• See references of WO 2020145771A1

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