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(54) **Title:** TRI-LAYER KNIT FABRIC, THERMAL PROTECTIVE MEMBERS FORMED THEREFROM AND METHODS OF CONSTRUCTION THEREOF.

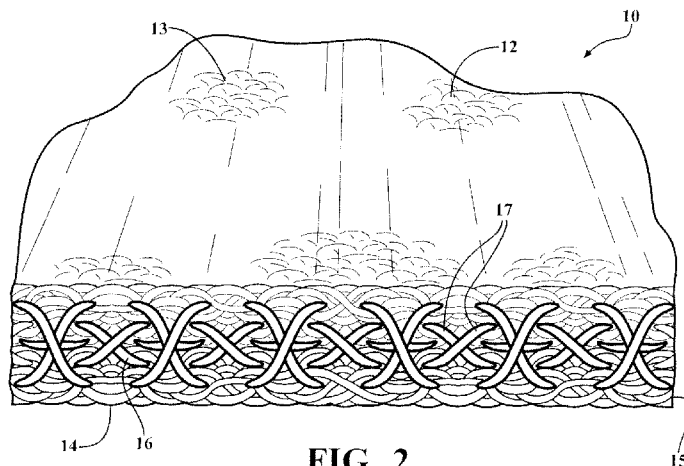


FIG. 2

(57) **Abstract:** A knit fabric, protective sleeve and glove constructed therefrom has three knit layers knit constructed and knit to one another in a single knitting operation to provide the fabric as a single piece of knit material. The fabric includes an outer layer, an inner layer and an intermediate layer sandwiched between the outer and inner layers. The outer layer is knit with a first yarn, the inner layer is knit with a second yarn and the intermediate layer is knit with a third yarn in looped fashion about at least some of the first and second yarns to provide an integrally knit structure having three layers knit stitched together in a single knitting process.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/042391**A. CLASSIFICATION OF SUBJECT MATTER*****D04B 1/22(2006.01)i, D04B 1/28(2006.01)i, D04B 1/24(2006.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

D04B 1/22; D04B 23/00; D04B 7/12; D04B 1/00; D04B 7/24; A41B 9/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: three-layer knit

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X A | WO 02-063082 A1 (TEIJIN LIMITED) 15 August 2002 See claims 1-8 and figures 1-4 | 1-6, 14-19 7-13 |
| X A | US 2005-0079784 A1 (JOON, YOUNG YOON et al.) 14 April 2005 See claims 1-9 | 1-6, 14-19 7-13 |
| A | US 5727401 A1 (STATHAM; DENISE N.) 17 March 1998 See claims 1-21 and figures 1-2 | 1-19 |

 Further documents are listed in the continuation of Box C. See patent family annex.

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