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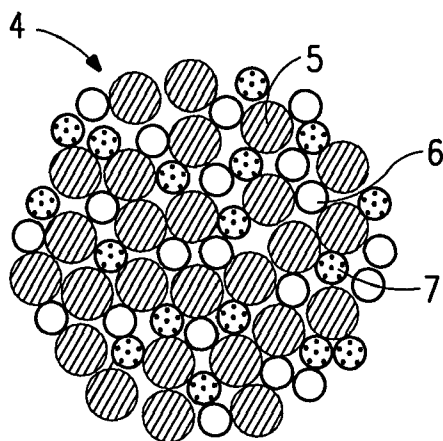
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(54) Title: CUT RESISTANT FABRIC COMPRISING" ARAMID FIBERS OF DIFFERENT DENIER AND METHOD FOR MAKING ARTICLES THEREFROM



(57) Abstract: This invention relates to cut resistant fabrics and articles including gloves, and processes for making cut resistant articles, the fabrics and articles comprising a yarn (4) comprising an intimate blend of staple fibers, the blend comprising 20 to 50 parts by weight of a fiber (7, 8) selected from the group of aliphatic polyamide fiber, polyolefin fiber, polyester fiber, and mixtures thereof; and 50 to 80 parts by weight of an aramid fiber mixture; based on the total weight of the aliphatic polyamide, polyolefin, polyester, and aramid fibers. The aramid fiber mixture comprises at least a first aramid fiber (5) having a linear density of from 3.3 to 6 denier per filament (3.7 to 6.7 dtex per filament); and a second aramid fiber (6) having a linear density of from 0.50 to 4.5 denier per filament (0.56 to 5.0 dtex per filament). The difference in filament linear density of the first aramid fiber to the second aramid fiber is 1 denier per filament (1.1 dtex per filament) or greater.

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2007/021582

## A. CLASSIFICATION OF SUBJECT MATTER

INV. D02G3/04 A41D31/00 A41D19/015

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)

D02G A41D

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

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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2008/017400 A (TEIJIN ARAMID GMBH [DE]; HAHN CHRISTOPH [DE]; ZUMLOH-NEBE REGINE [DE]) 14 February 2008 (2008-02-14) the whole document	1,7
A	US 6 254 988 B1 (ZHU REIYAO [US] ET AL) 3 July 2001 (2001-07-03) the whole document	1,7
A	DE 20 2004 005008 U1 (DU PONT [US]) 24 June 2004 (2004-06-24) paragraphs [0037], [0038]	1,7
A	US 4 918 912 A (WARNER GRANT H [US]) 24 April 1990 (1990-04-24) column 1, line 49 - column 2, line 34	1,7

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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