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(54) Title: POSTOPERATIVE WOUND PROTECTION GARMENT HAVING IMPROVED ELASTICITY, MODULUS AND BREATHABILITY

(57) Abstract: A postoperative garment for protection and improved healing of a wound, injury or disease site comprising a first panel and a second panel, the panels being constructed of a fabric structure comprising a blend of at least one polyester fiber and at least one elastic fiber. The fabric has an elasticity of about 200-220 +/- 10 % in both the warp direction and in the fill direction, the difference between the warp and fill direction elasticity preferably being no more than about 3 % to about 5 %, a compression modulus of about 1 to about 4, and a breathability measurement of 70-100 % moisture loss within 30 minutes and an approximate skin surface temperature reduction of about 4-6 °F within about 3-7 minutes as measured by evaporative cooling, and the panels being attachable to each other along one edge by a closure means, such as mated hook and loop fasteners. The improved universal compression characteristics, breathability and thermoregulation provide enhanced ability to promote healing and protect the wound site.



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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A41D13/12 D03D15/08

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)

IPC 7 A41D D03D

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. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| A          | WO 97 17919 A (DILLON M.)<br>22 May 1997 (1997-05-22)<br>claims 1,4,18<br>---                                                       | 1                     |
| A          | US 4 630 610 A (J. A. FLETCHER)<br>23 December 1986 (1986-12-23)<br>column 2, line 8 -column 4, line 56;<br>figures 1-5<br>---      | 1                     |
| A          | US 5 031 609 A (L. A. FYE)<br>16 July 1991 (1991-07-16)<br>column 2, line 14 - line 39; claims 1,5,9;<br>figures 1,2<br>---<br>-/-- | 1                     |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)                                                                                  | Publication<br>date                                                                            |
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