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Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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(88) Date of publication of the international search report:

23 November 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BREATHABLE FABRIC

(57) Abstract: A fabric comprising a textile layer comprising yarns, wherein said textile layer is permeable to water vapour and impermeable to liquid water; and disposed on at least part of one side of the textile layer is a wicking means.



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INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2005/002766

A. CLASSIFICATION OF SUBJECT MATTER

INV. A41D31/02 D03D1/00 D03D15/00 D06M15/00

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)

D06M A41D D03D D04B

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)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 787 503 A (MURPHY, III ET AL) 4 August 1998 (1998-08-04)	1-7, 10-16, 21, 23, 25, 27, 30, 32, 33, 43-48, 51-54, 60-64
Y	column 2, line 20 - line 32 column 2, line 46 - line 58 column 3, line 51 - line 64 column 4, line 15 - line 36; claims; figures 3,4; examples ----- -/--	8, 9, 55-59

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

7 September 2006

Date of mailing of the international search report

15/09/2006

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/155771 A1 (SOANE DAVID S ET AL) 24 October 2002 (2002-10-24) paragraphs [0019], [0024]; figures 5,7 paragraph [0153] paragraph [0179] - paragraph [0181]	8,9, 55-59
X	WO 03/001934 A (POLGAT TEXTILES CO. LTD; COHEN, YACOV) 9 January 2003 (2003-01-09) page 3, paragraph 3 page 6, last paragraph page 8, paragraph 1 - last paragraph page 9, last paragraph page 10, paragraph 2; claim 1; figure 2	1-7,10, 11, 13-17, 19,20, 23,25, 27,30, 32,33, 43-48, 50,53, 54,60-66
Y		18,49
Y	GB 1 092 082 A (RIEGEL TEXTILE CORPORATION) 22 November 1967 (1967-11-22) page 1, line 17 - line 44; figures 7-11	18,49
X	US 5 508 098 A (OMAR ET AL) 16 April 1996 (1996-04-16) column 3, line 13 - line 27 column 3, line 44 - line 51; claims; examples	1-4, 13-16, 22,23, 25,27, 43-46, 48,52, 60-64

INTERNATIONAL SEARCH REPORT

International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

1-23 25 27 30 32 33 43 44 45-66

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16, 21,23,25, 27, 30, 32, 33, 43-48, 51-64 and 66

Fabric comprising a textile layer permeable to water vapour and impermeable to liquid water and disposed on it a wicking means, method for the manufacture thereof.

2. claims: 17-20, 49, 50 and 65

Fabric of claim 1 further characterised in that it is a woven fabric whose wicking means is integrally woven with it in different structures, method for the manufacture thereof.

3. claim: 22

Fabric of claim 1 further characterised that the wicking means is integrally knitted with it in a single knit fabric.

4. claim: 24

Fabric of claim 1 further characterised in that the textile layer has a raised effect which is a pique effect.

5. claim: 26

Fabric of claim 1 further characterised in that the wicking means comprises fibres or yarns which have been subjected to brushing.

6. claim: 28 and 29

Fabric of claim 1 further characterised in that the wicking means comprises microfibres or nanofibres.

7. claim: 31

Fabric of claim 1 further characterised in that the wicking means comprises yarns or fibres comprising polyamide.

8. claim: 34

Fabric of claim 1 further characterised in that the wicking means comprises a cotton yarn having a metric count of Nm 30 or above.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

9. claims: 35-42

Fabric of claim 1 further characterised that a sanitary agent has been disposed on either or both wicking means or water impermeable textile layer.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2005/002766

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5787503	A	04-08-1998	NONE
US 2002155771	A1	24-10-2002	US 6379753 B1 30-04-2002
WO 03001934	A	09-01-2003	EP 1399037 A1 24-03-2004 US 2005016614 A1 27-01-2005
GB 1092082	A	22-11-1967	NONE
US 5508098	A	16-04-1996	NONE