(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 February 2007 (15.02.2007)

PCT

(10) International Publication Number
WO 2007/017794 A3

(51) International Patent Classification:
*A61B 18/20* (2006.01) *A61N 5/06* (2006.01)

(21) International Application Number:
PCT/IB2006/052626

(22) International Filing Date: 1 August 2006 (01.08.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
05107238.7 5 August 2005 (05.08.2005) EP

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

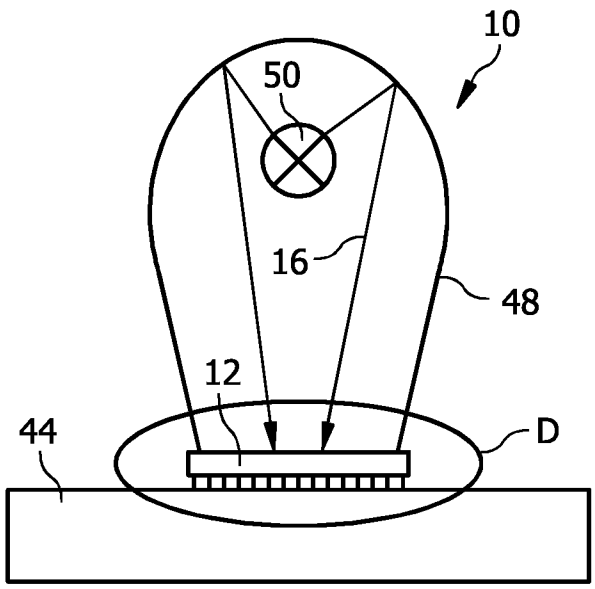
**Declaration under Rule 4.17:**
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

**Published:**
— *with international search report*

(88) Date of publication of the international search report:
13 September 2007

*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: SKIN-TREATMENT DEVICE




(57) Abstract: The present invention relates to a skin-treatment device comprising an exit window (12; 14) through which electromagnetic radiation (16) is transmitted during operation of the skin-treatment device (10). In accordance with the invention, the skin-treatment device comprises dirt-preventing means (18-42) associated with the exit window (12; 14).

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# INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/052626

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61B18/20 A61N5/06

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)
A61B A61N D06M B05D

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X | US 6 530 919 B1 (CHODOROW INGRAM S [US] ET AL) 11 March 2003 (2003-03-11)<br>column 1, lines 12-16; figures 1,6,7B<br>column 5, lines 29-67 | 1,2,4,5 |
| Y | | 3 |
| Y | DE 101 06 779 A1 (NANOGATE GMBH [DE])<br>22 August 2002 (2002-08-22)<br>paragraphs [0001], [0007], [0010], [0015] | 3 |
| X | US 6 436 094 B1 (REUTER ERIC M [US])<br>20 August 2002 (2002-08-20)<br>abstract; figures 1,2<br>column 3, line 40 - column 4, line 6 | 1,2,5 |

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[X] Further documents are listed in the continuation of Box C.

[X] 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 | Date of mailing of the international search report |
|---|---|
| 7 March 2007 | 05/06/2007 |

| Name and mailing address of the ISA/ | Authorized officer |
|---|---|
| European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016 | Jonsson, P.O. |

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International application No
PCT/IB2006/052626

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X | DE 197 10 676 A1 (AESCULAP MEDITEC GMBH [DE]) 24 September 1998 (1998-09-24) column 4, line 52 - column 5, line 23; claim 1; figures 1,2 | 1 |
| X | DE 93 14 448 U1 (HIRSCH OLIVER [DE]; KIEFL TASSILO [DE]) 5 January 1994 (1994-01-05) page 1 | 1 |
| E | WO 2006/134426 A (KONINKL PHILIPS ELECTRONICS NV [NL]; FERTNER REMBERT [AT]; ROBERT HARA) 21 December 2006 (2006-12-21) page 10, lines 3-23 abstract; figure 1 | 1 |
| A | DE 199 17 366 A1 (INST NEUE MAT GEMEIN GMBH [DE]) 19 October 2000 (2000-10-19) page 1, lines 3-36 page 5, lines 58-66 | 3 |

# INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2006/052626

## 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.:

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.:

see annex

**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: 1-5

   A skin-treatment device comprising an exit window through which electromagnetic radiation is transmitted during operation of the skin-treatment device, Further comprising dirt-preventing means associated with the exit window, wherein said dirt preventing means comprises a non-adhesive exit window.

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2. claims: 6-8

   A skin-treatment device as in 1, wherein said dirt preventing means comprises a foil with a dirt wiper.

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3. claims: 9-12

   A skin-treatment device as in 1, wherein said dirt preventing means comprises a roller.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/IB2006/052626

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
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| DE 10106779 A1 | 22-08-2002 | NONE | |
| US 6436094 B1 | 20-08-2002 | NONE | |
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| | | WO 0062942 A2 | 26-10-2000 |
| | | EP 1183107 A2 | 06-03-2002 |
| | | JP 2002542021 T | 10-12-2002 |
| | | US 6649266 B1 | 18-11-2003 |