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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: MICROPORTE DELIVERY OF ACTIVE SUBSTANCES

(57) Abstract: A method and device for delivering active substances into and through the skin for treatment of the skin during and/or following fractional laser radiation treatment of the skin are described.
Published: with international search report

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**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

- **IPC(8) - A61N 1/30 (2008.01)**
- **USPC - 604/19**

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(8): A61N 1/30 (2008.01)**
  - **USPC: 604/19**

- **Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched**
  - **IPC(8): A61N 1/30 (2008.01)**
  - **USPC: 604/19; 604/20**

- **Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)**
  - **USPTO WEST (USPT, PGPUB, EPAB, JPAB); -micropore, channel, elongate$, skin, laser, deliver$, "vitamin C", irradiate$, radiate$, optical beam$, focus$, handpiece, handle, treat$, composition, mask, hydrogel, month**
  - **Google Scholar; "micropore delivery of vitamin C"**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 7,004,933 B2 (MCDANIEL) 28 February 2006 (28.02.2006), [Abstract], col 3, In 27-33; col 4, In 44-61; col 5, In 7-22; col 5, In 41-61; col 6, In 31-40; col 8, In 9-24; Fig. 4</td>
<td>1-7, 37-43</td>
</tr>
<tr>
<td>Y</td>
<td>US 2006/0058712 A (ALTSHULER, et al.) 16 March 2006 (16.03.2006), [Abstract], para[0010], [0011], [0013], [0021], [0024], [0041], [0043], [0111], [0134], [0152], [0154], [0163], [0191], [0219], [0250], [0291], [0376], [0403], [0436], [0441], [0444], [0449], [0527]</td>
<td>8, 9, 13-27, 29-32, 35</td>
</tr>
</tbody>
</table>

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

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**Date of the actual completion of the international search**
18 February 2008 (18.02.2008)

**Date of mailing of the international search report**
26 MAR 2008

**Name and mailing address of the ISA/US**
Mail Stop PCT, Attn: ISAUS, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450
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