Apparatus (20) for application to skin of a subject is provided. The apparatus includes a board (30) having a first surface and a second surface, the first surface including a plurality of ablation electrodes (41), which are adapted to be applied to the skin, and the second surface including one or more contact pads (32), each one of the contact pads electrically coupled to at least one of the ablation electrodes. The apparatus further includes one or more driving electrodes (28). An energy applicator (e.g., motor 22), coupled to the driving electrodes, is adapted to pass the driving electrodes over the contact pads. A power source (e.g., power unit 102) is adapted to drive a current from the driving electrodes, to the contact pads, and to the ablation electrodes. The current is capable of ablating at least a portion of stratum corneum of the skin in a vicinity of the ablation electrodes, so as to facilitate transdermal transport of a substance.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : G 06 F 7/00
   US CL. : 707/102
   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)
   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 practicable, 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.
   Y          | US 6,339,775 B1 (ZAMANIAN et al) 15 January 2002 (15.01.2002), columns 4-6. | 1-31

   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 application or patent 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
01 March 2004 (01.03.2004)

Date of mailing of the international search report
16 MAR 2004

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230

Authorized officer
Meng Ai Ad
Telephone No. 703-305-8498

Form PCT/ISA/210 (second sheet) (July 1998)