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(54) Title: INTRADERMAL DELIVERY DEVICE ADHESIVELY ATTACHABLE TO THE SKIN, AND METHOD OF INTRADERMAL DELIVERY

(57) Abstract: An intradermal delivery device for injecting a substance into the skin has a housing (12) including a base (18) defining a radially-extending mounting surface for releasably engaging the skin, and a needle aperture (24) formed therethrough and defining a substantially planar needle penetration region on the skin. A pressure-sensitive adhesive (26) is superimposed over the mounting surface for releasably securing the mounting surface to the skin and preventing relative movement of the needle penetration region of the skin and the mounting surface. A syringe body is reciprocally mounted within the housing and a plunger is reciprocally mounted within the syringe body. A needle (28) is mounted to the syringe body and is movable through the needle aperture to penetrate the needle penetration region of the skin. A needle cap (90) is mounted over the needle and forms an approximately airtight seal therebetween, and is penetrable by the needle upon passage through the needle aperture and into the skin.
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/22612

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : A61M 5/00
   US CL. : 604/117
   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)
   U.S. : 604/117, 93.01, 164.01, 164.09, 164.01, 164.11, 164.13, 170.02

   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

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<td>US 5,873,856 A (HERTMAN, ET AL.) 23 February 1999 (23.02.1999), See entire patent.</td>
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<td>A</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

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