

Title (en)
MODULAR MICRONEEDLE TRANSPORT DEVICE

Title (de)
MODULARE MIKRONADEL-TRANSPORTVORRICHTUNG

Title (fr)
DISPOSITIF DE TRANSPORT MODULAIRE À MICRO-AIGUILLE

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Application
EP 11730957 A 20110707

Priority
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Abstract (en)
[origin: WO2012013472A1] The invention relates to a modular microneedle transport device (1; 1') comprising a first module (20; 20') that includes a fluid reservoir (23; 23') for receiving a transport fluid (F), a microneedle unit (22), and a micropump unit (24) for pumping the transport fluid (F) from the fluid reservoir (23; 23') into the microneedle unit (22) and/or vice versa; and further comprising a second module (10; 10') comprising an actuator unit (10a) and a battery-powered control unit (10b); wherein the second module (10; 10') can be mounted in a recess (50) of the first module (20; 20'); and wherein the micropump unit (24) can be mechanically actuated by the actuator unit (10a) by means of a pressure actuation surface (UP) provided in the recess (50) when the second module (10; 10') is mounted.

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Citation (search report)
See references of WO 2012013472A1

Citation (examination)
• WO 2008008845 A2 20080117 - MICROCHIPS INC [US], et al
• US 2005065466 A1 20050324 - VEDRINE LIONEL [US]

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