



- (51) **International Patent Classification:**
A61M 37/00 (2006.01)
- (21) **International Application Number:**
PCT/TH2019/000031
- (22) **International Filing Date:**
20 August 2019 (20.08.2019)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
1901004256 10 July 2019 (10.07.2019) TH
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- (81) **Designated States** (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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,

- (54) **Title:** A DISSOLVABLE MICRONEEDLE

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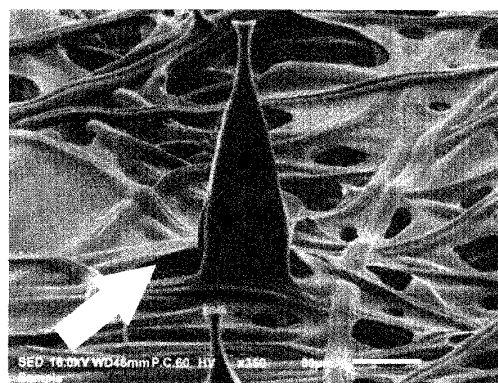


FIG. 6

- (57) **Abstract:** The present invention relates to a dissolvable microneedle comprising needles made of a water-soluble material assembled on one side of a base, which is a sheet material having liquid-permeable cavities, wherein the needles being assembled to the base such that bottom portion of the needles is directly connected to the base, the connection of the bottom portion of the needle s to the base forming through a structure in which the bottom portion of the needles penetrates into the base (102), occupying some or all cavities of the base. The dissolvable microneedle with the structure according to the present invention is convenient to use as the penetrating structure that connects the needle s to the base can be dissolved quickly and efficiently; therefore, the base can be removed from the top skin without the needles embedded within the skin being pulled out. Hence, there is no clearly visible remainder on the top skin, and the active agent contained in or coated on the needles can also be released more effectively.

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GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Declarations 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 (Art. 21(3))*