

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/016441 A1

(51) International Patent Classification⁷: **A61M 37/00**,
A61B 17/20, 10/00

(21) International Application Number:
PCT/US2004/025169

(22) International Filing Date: 3 August 2004 (03.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/492,610 4 August 2003 (04.08.2003) US

(71) Applicant (for all designated States except US): **ALZA CORPORATION** [US/US]; 1900 Charleston Road, P.O. Box 7210, M10-3, Mountain View, ca 94039-7210 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WONG, Patrick, S., L.** [US/US]; 1533 Burlingame Ave., Burlingame, CA 94010 (US). **DADDONA, Peter** [US/US]; 35 Anderson Way, Menlo Park, CA 94025 (US).

(74) Agents: **NWANERI, Angela** et al.; Alza Corporation, c/o Johnson & Johnson, One Johnson & Johnson Plaza WH 3221, New Brunswick, NJ 08933 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

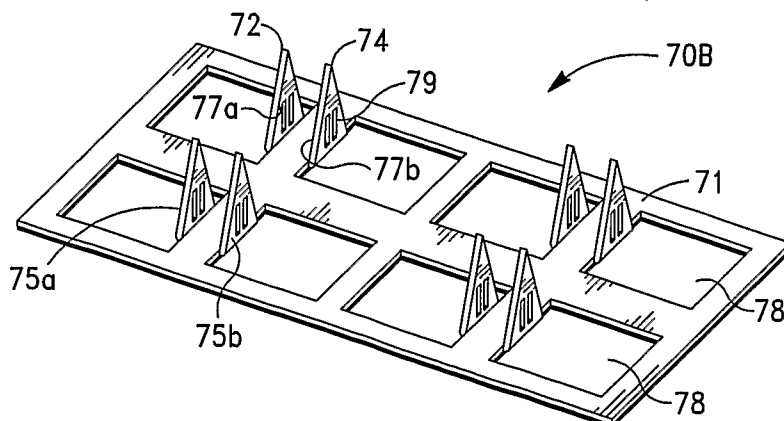
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE FOR ENHANCING TRANSDERMAL AGENT FLUX



(57) Abstract: A microprojection array having at least first (62) and second (64) microprojections, the first and second microprojections having inner (67a, b) and outer (65a, b) faces, the first microprojection inner face being disposed substantially parallel to the second microprojection inner face; and a biocompatible coating disposed on the first and second microprojection inner faces, the first and second microprojections being adapted to substantially restrict contact of the coating with biological tissue during insertion of the first and second microprojections into the tissue.

WO 2005/016441 A1