

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 May 2008 (22.05.2008)

PCT

(10) International Publication Number
WO 2008/059492 A3

(51) International Patent Classification:
F04B 43/08 (2006.01) *F04B 45/06* (2006.01)
F04B 43/12 (2006.01)

(21) International Application Number:
PCT/IL2007/001398

(22) International Filing Date:
13 November 2007 (13.11.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
179231 13 November 2006 (13.11.2006) IL

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, 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, IS, IT, LT, LU, LV, MC, MT, 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

(88) Date of publication of the international search report:
16 April 2009

(54) Title: A FINGER-TYPE PERISTALTIC PUMP COMPRISING A RIBBED ANVIL

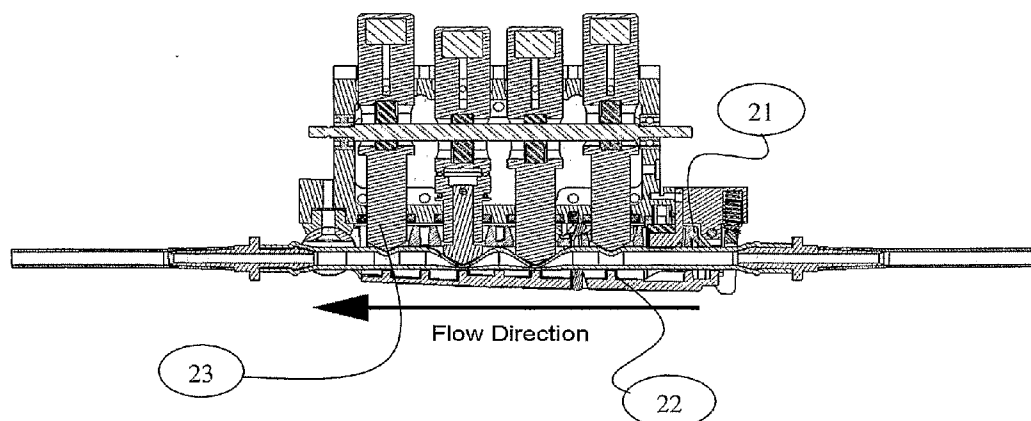


Fig 2

(57) Abstract: The present invention discloses a finger-type peristaltic infusion pump comprising a ribbed anvil. More specifically, a finger-type peristaltic pump, comprising a plurality of pressing-fingers, infusion-tube, and a passive interfacing mechanism is disclosed. The passive interfacing mechanism comprises of means for accommodating said flexible infusion tube and mounting the tube in a location suitable for the pressing-fingers to apply an approximated perpendicular force on said tube to squeeze it; a ribbed anvil rigidly supporting the tube on opposite side to the pressing fingers when it is pressed by said finger; said anvil comprising a plurality of ribs selected from one or more ribs of a group including a plurality of ribs oriented to face said fingers' tip, a plurality of ribs located in between said fingers, or any combination thereof.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL07/01398

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **F04B 43/08**(2006.01),**43/12**(2006.01),**45/06**(2006.01)

USPC: 417/474,475,476,477.1-477.14

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. : 417/ 474, 475, 476, 477.1-477.14

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. |
|------------|---|-----------------------|
| X | US 4,039,269 (PICKERING) 2 August 1977 (02.08.1977), column 8, lines 15-27 | 1, 2 |
| X | US 6,692,241 (WATANABE et al.) 17 February 2004 (17.02.2004), columns 9-10, lines 14-65 | 1, 3, 4 |
| X | US 4,893,991 (HEMINWAY et al.) 16 January 1990 (16.01.1990), columns 3-4, lines 60-30 | 1, 5 |
| A | US 5,683,233 (MOUBAYED et al.) 4 November 1997 (04.11.1997), whole document | 1 |

Further documents are listed in the continuation of Box C.

See patent family annex.

| * Special categories of cited documents: | | | |
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| "P" | document published prior to the international filing date but later than the priority date claimed | | |

Date of the actual completion of the international search

01 May 2008 (01.05.2008)

Date of mailing of the international search report

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5/21/08