

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 June 2002 (06.06.2002)

PCT

(10) International Publication Number
WO 02/44318 A1

(51) International Patent Classification⁷: C12M 1/32, 1/12

(21) International Application Number: PCT/US01/42844

(22) International Filing Date: 30 October 2001 (30.10.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/253,134 28 November 2000 (28.11.2000) US

(71) Applicant (for all designated States except US): MEDISEL LTD. [IL/IL]; Shabazi Street 14, Yehud (IL).

(71) Applicant (for TJ only): FRIEDMAN, Mark, M. [US/IL]; Alharizi Street 1, Raanana (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HUBERMAN, Tamir [IL/IL]; 3 David Kind Street, Rehovot (IL). SCHIFFENBAUER, Yael [IL/IL]; Poleg Street 152, Raosh Ha-ayin (IL).

(74) Common Representative: FRIEDMAN, Mark, M.; c/o Discovery Dispatch, 9003 Florin Way, Upper Marlboro, MD 20772 (IL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

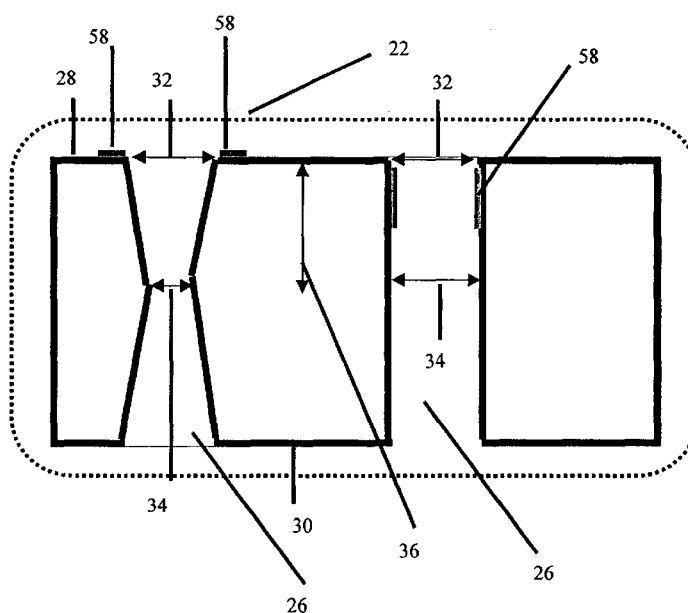
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: IMPROVED CELL CARRIER GRIDS



(57) Abstract: An improved cell carrier grid (20). The grid (20) is capable of containing and retaining individual living cells in an array discrete locations and includes a body (22) that defines having an ordered array (24) of holes (26) is identifiable. Each of said holes (26) can contain at least a portion of an individual living cell. According to some embodiments of the invention, individual cells contained within said holes (26) reside substantially in a single focal plane so that accuracy of data collected is increased. According to some embodiments of the invention, said body (22) is at least partially coated with a biologically active material (58). According to some embodiments of the invention, said body (22) is designed and constructed such that the individual cells contained within said holes (26) are recoverable by a recovery device.



WO 02/44318 A1



-
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
- 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.*