

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 June 2003 (12.06.2003)

PCT

(10) International Publication Number
WO 03/048836 A2

(51) International Patent Classification⁷: **G02B 26/08**

(21) International Application Number: PCT/IL02/00970

(22) International Filing Date: 3 December 2002 (03.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/334,589 3 December 2001 (03.12.2001) US
60/361,321 4 March 2002 (04.03.2002) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 119e of 60/361,321 & (CIP)
Filed on 4 March 2002 (04.03.2002)

(71) Applicant (for all designated States except US): **FLIXEL LTD.** [IL/IL]; Meytav Street 6, 67898 Tel-Aviv (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HEINES, Amichai**

[IL/IL]; Pesach Ifhar Street, 46415 Herzelia (IL). **KARTY, Adiel** [IL/IL]; 16 Rimon Street, 30900 Zichron Yaacov (IL). **COHEN, Allon** [IL/IL]; 20 Nahal Yagur Street, 71700 Modyin (IL).

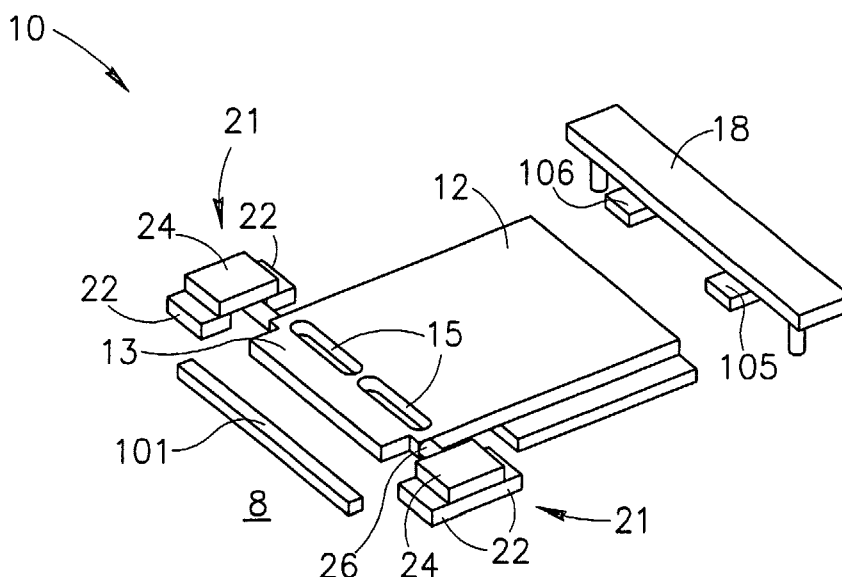
(74) Agents: **FENSTER, Paul** et al.; Fenster & Company Patent Attorneys, LTD., P.O. Box 10256, 49002 Petach Tikva (IL).

(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, EC, 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, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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

[Continued on next page]

(54) Title: DISPLAY DEVICES



(57) Abstract: Apparatus including: a substrate, having a substrate surface, at least a portion of which is transparent or apertured; and an array of objects each having a maximum dimension smaller than 1 mm attached to the substrate and having an axis about which the object can rotate, wherein the object has two stable positions, a first stable position at which the object covers a transparent or apertured portion of the substrate and a second stable position at which the transparent portion is at least partially uncovered.



WO 03/048836 A2



Published:

— without international search report and to be republished
upon receipt of that report

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