



(43) International Publication Date
12 November 2009 (12.11.2009)

PCT

(10) International Publication Number
WO 2009/136170 A3

(51) International Patent Classification:
G03B 21/14 (2006.01)

(21) International Application Number:
PCT/GB2009/001155

(22) International Filing Date:
8 May 2009 (08.05.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0808325.5 8 May 2008 (08.05.2008) GB
61/051,397 8 May 2008 (08.05.2008) US

(71) Applicant (for all designated States except US): **MUSION IP LIMITED** [GB/GB]; Westcott House, 35 Portland Place, London (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **O'CONNELL, Ian, Christopher** [GB/GB]; Musion Systems Ltd, Westcott House, 35 Portland Place, London (GB). **HOWES, Alex, James** [GB/GB]; Musion Systems Ltd, Westcott House, 35 Portland Place, London (GB).

(74) Agent: **LAWRENCE, John**; Barker Brettell LLP, 138 Hagley Road, Edgbaston, Birmingham B16 9PW (GB).

(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, 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, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

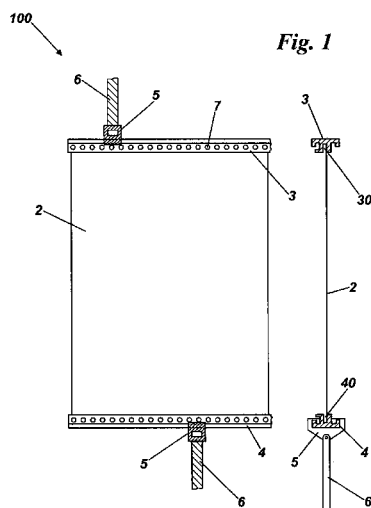
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, 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 (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
14 January 2010

(54) Title: PROJECTION SCREEN AND METHOD OF CONSTRUCTION



(57) Abstract: A projection screen (2) having a retention member (3, 4) configured, in use, to be in contrast with at least one surface of the screen (2) along at least a portion of at least one edge of the screen. The projection screen (2) may comprise polymeric material, such as a biaxially oriented foil, and the retention member (3, 4) is bonded to the screen. The retention member (3, 4) may comprise a plurality of apertures (8) and a plurality of tensioning members (6) extending through the apertures (8) to apply tension to the screen (2). A portion of each tensioning member (6) that extends through one of the apertures (8) to contact the retention member (3, 4) may be flexible and non-resilient. The retention member (3, 4) may be configured to allow slidable engagement with the plurality of tensioning members (6). Each retention member (3, 4) may additionally comprise biasing means (54) configured to bias each retention member (3, 4) away from a neighbouring retention member, the biasing means (54) adjustable to vary the bias applied to the retention member (3, 4) when the screen (2) is in situ.



WO 2009/136170 A3