

(51) International Patent Classification:
G02F 1/15 (2006.01)(21) International Application Number:
PCT/US2012/068817(22) International Filing Date:
10 December 2012 (10.12.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/569,716 12 December 2011 (12.12.2011) US
61/664,638 26 June 2012 (26.06.2012) US
61/709,046 2 October 2012 (02.10.2012) US(71) Applicant (for all designated States except US): **VIEW, INC.** [US/US]; 195 South Milpitas Boulevard, Milpitas, California 95035 (US).

(72) Inventors; and

(71) Applicants (for US only): **STRONG, Fabian** [US/US]; 566 School Street, Fremont, California 94536 (US). **BHATNAGAR, Yashraj** [US/US]; 1783 Wade Avenue, Santa Clara, California 95051 (US). **DIXIT, Abhishek Anant** [IN/US]; 6060 Fairmount Parkway, Pasadena,Texas 77505 (US). **MARTIN, Todd** [US/US]; 1568 Thomas Court, Mountain View, California 94040 (US). **ROZBICKI, Robert T.** [US/US]; 3002 Oakleigh Manor Lane, Germantown, Tennessee 38138 (US).(74) Agents: **MARTINEZ-LEMKE, Sheila** et al.; Weaver Austin Villeneuve & Sampson LLP, P.O. Box 70250, Oakland, California 94612-0250 (US).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,

[Continued on next page]

(54) Title: THIN-FILM DEVICES AND FABRICATION

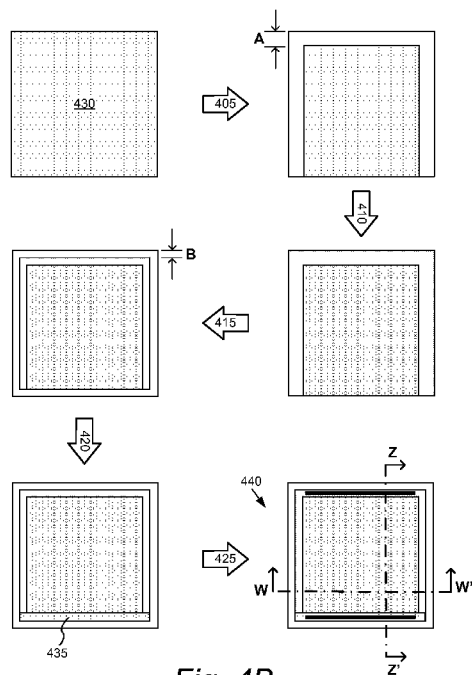


Fig. 4B

(57) Abstract: Thin-film devices, for example electrochromic devices for windows, and methods of manufacturing are described. Particular focus is given to methods of patterning optical devices. Various edge deletion and isolation scribes are performed, for example, to ensure the optical device has appropriate isolation from any edge defects. Methods described herein apply to any thin-film device having one or more material layers sandwiched between two thin film electrical conductor layers. The described methods create novel optical device configurations.



TM), European (AL, 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, RS, SE, SI, SK, SM, 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))*