

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 January 2007 (25.01.2007)

PCT

(10) International Publication Number
WO 2007/011933 A3

(51) International Patent Classification:
H01L 51/56 (2006.01)

(21) International Application Number:
PCT/US2006/027836

(22) International Filing Date: 17 July 2006 (17.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/183,404 18 July 2005 (18.07.2005) US

(71) Applicant (for all designated States except US): **3M INNOVATIVE PROPERTIES COMPANY** [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

(72) Inventors: **WOLK, Martin, B.**; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **NEBY, Ricky, L.**; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **TOLBERT, William, A.**; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **ZINKE, Bradley, D.**; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **ISBERG, Thomas, A.**; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **NELSON, James,**

M.; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

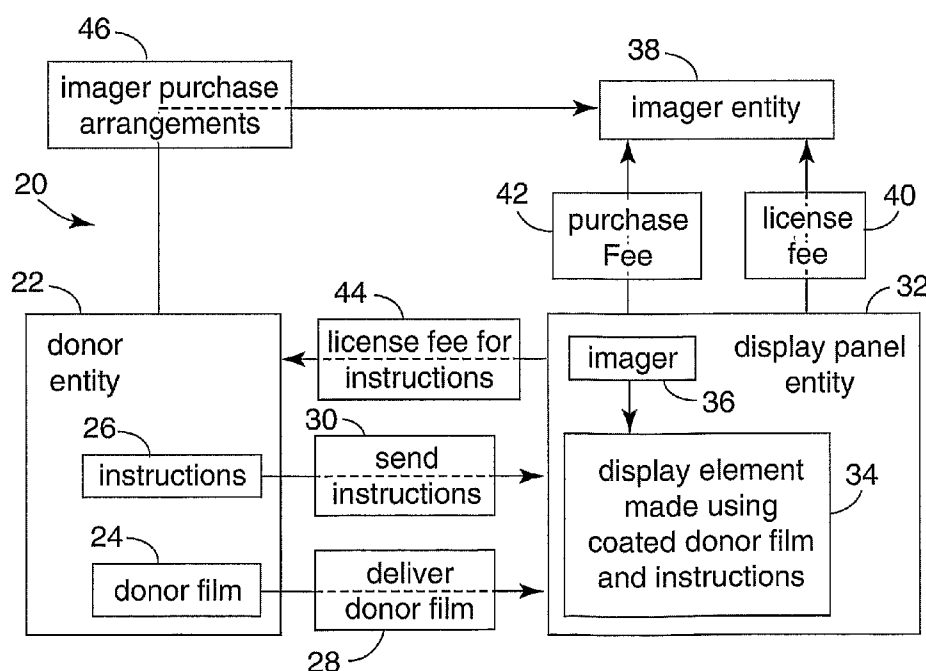
(74) Agents: **VIETZKE, Lance, L.** et al.; 3M Center, Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

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

[Continued on next page]

(54) Title: LASER INDUCED THERMAL IMAGING BUSINESS MODELS AND METHODS



(57) Abstract: Various processes and models are provided for laser induced thermal imaging for use in manufacturing display elements. The processes and models set forth criteria for manufacture and delivery of donor film for use in laser induced thermal imaging, and licensing of related information for an imaging process using the donor film.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report*

(88) Date of publication of the international search report:

28 June 2007

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.