

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/046767 A2

(51) International Patent Classification⁷: **G02B**
(21) International Application Number:
PCT/US2003/037040
(22) International Filing Date:
17 November 2003 (17.11.2003)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/427,333 19 November 2002 (19.11.2002) US
10/321,161 17 December 2002 (17.12.2002) US
10/375,728 26 February 2003 (26.02.2003) US
60/469,667 12 May 2003 (12.05.2003) US

(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, EG, 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, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, 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, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

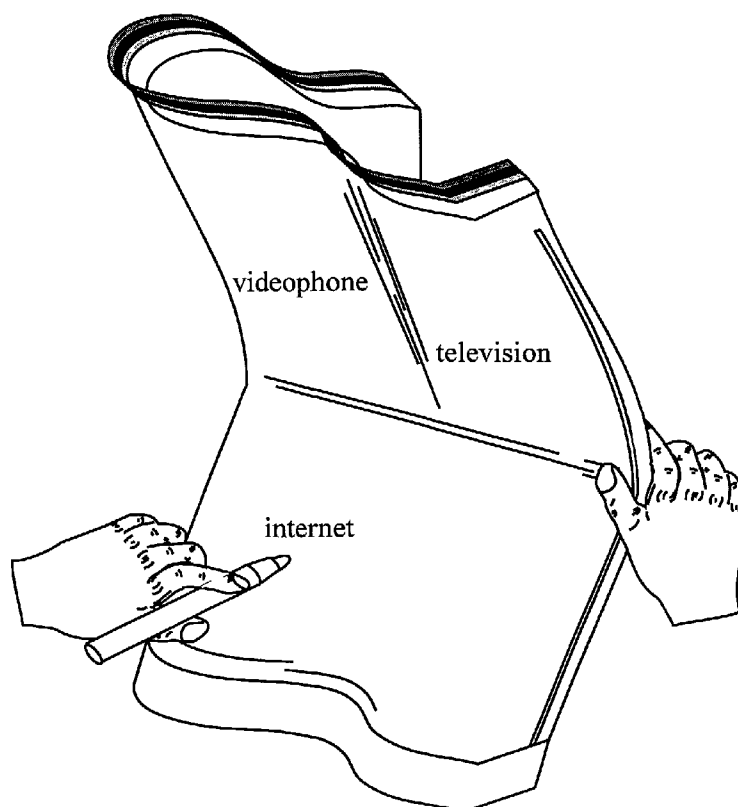
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Declaration under Rule 4.17:

— as to the identity of the inventor (Rule 4.17(i)) for all designations

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(54) Title: ORGANIC AND INORGANIC LIGHT ACTIVE DEVICES AND METHODS FOR MAKING THE SAME



(57) Abstract: A light active device includes a semiconductor particulate dispersed within a carrier material. A first contact layer is provided so on application of an electric field charge carriers having a polarity are injected into the semiconductor particulate through the carrier material. A second contact layer is provided so on application of the electric field to the second contact layer charge carriers having an opposite polarity are injected into the semiconductor particulate through the carrier material. The semiconductor particulate comprises at least one of an organic and an inorganic semiconductor. The semiconductor particulate may comprise an organic light active particulate. When constructed as a light emitting device, an electric field applied to the semiconductor particulate through the carrier causes charge carriers of opposite polarity to be injected into the semiconductor particulate. The charge carriers combine to form carrier pairs which decay and give off light.



Published:

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

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