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(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, 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, PE, 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.

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[Continued on next page]

(54) Title: ELECTRICALLY PIXELATED LUMINESCENT DEVICE INCORPORATING OPTICAL ELEMENTS

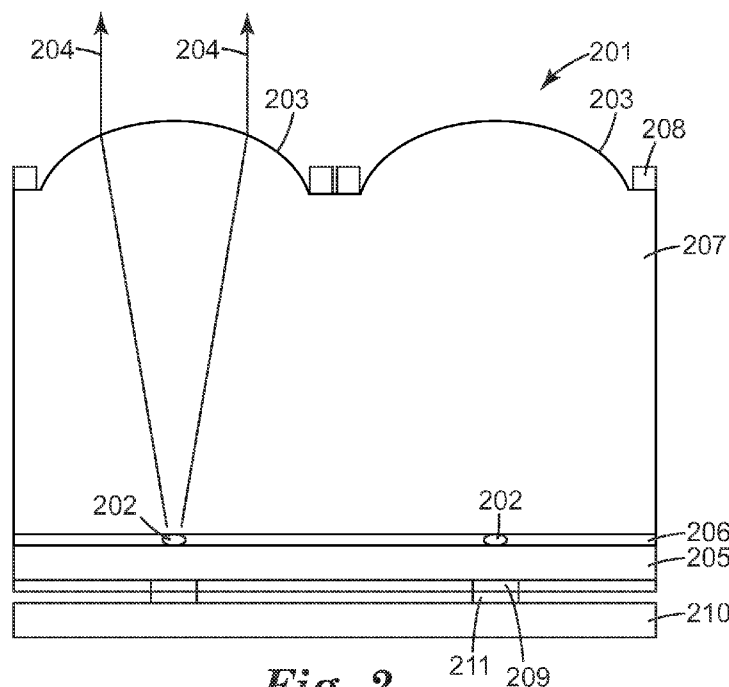


Fig. 2

(57) Abstract: Electrically pixelated luminescent devices incorporating optical elements, methods for forming electrically pixelated luminescent devices incorporating optical elements, and systems including electrically pixelated luminescent devices incorporating optical elements.



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, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/063477**A. CLASSIFICATION OF SUBJECT MATTER*****H01L 33/36(2010.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01L 33/36; G09F 9/33; H01L 33/00; H05B 33/12; H05B 33/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

(Chinese Patents and application for patent)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: "LED, LD, luminescent, light emitting", "individual, independent, separate", "addressable, controllable, driving, operating"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006-0138434 A1 (HUW SUMMERS) 29 June 2006	1-4, 8-29
Y	See the abstract, specifications [0048]-[0054], claims 1-25 and figures 7-8.	5-7
Y	JP 09-153644 A (TOYODA GOSEI CO. LTD.) 10 June 1997 See the abstract, claims 1-20 and figures 1-22.	5-7
A	KR 10-2007-0023950 A (SEOUL OPTODEVICE CO. LTD) 02 March 2007 See the abstract, claims 1-3 and figures 1-5.	1-29
A	JP 2006-310289 A (SEIKO EPSON CORP et al.) 09 November 2006 See claims 1-6 and figures 1-17.	1-29



Further documents are listed in the continuation of Box C.



See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

27 MAY 2010 (27.05.2010)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2009/063477

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