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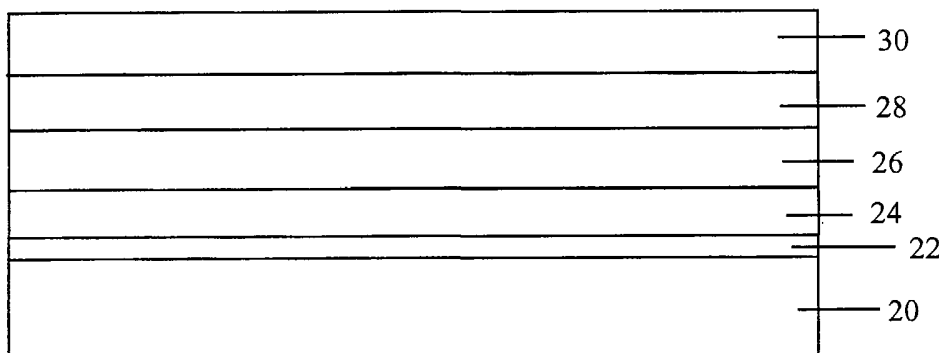
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ORGANIC ELECTROLUMINESCENT DEVICE



(57) Abstract: According to a first aspect of the present invention there is provided an organic electroluminescent device comprising: a transparent substrate (20); a first electrode (24) disposed over the substrate; a second electrode (30) disposed over the first electrode; an organic light-emitting layer (28) disposed between the first and the second electrode, wherein the second electrode is reflective, the first electrode is transparent or semi-transparent, and one or more intermediate layers (22) of dielectric material with a refractive index greater than 1.8 or a metal material is disposed between the substrate and the first electrode forming a semi-transparent mirror whereby a microcavity is provided between the reflective second electrode and the semi-transparent mirror all the intermediate layers disposed between the substrate and the first electrode having a surface nearest the organic light-emitting layer not more than 150nm from a surface of the first electrode nearest the organic light-emitting layer.

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 616 488 A (HITACHI, LTD) 21 September 1994 (1994-09-21) column 4; figure 1 column 6, lines 25-27 -----	18-26
X	EP 1 401 034 A (SAMSUNG NEC MOBILE DISPLAY CO. LTD; SAMSUNG SDI CO., LTD) 24 March 2004 (2004-03-24) paragraphs [0050], [0051]; figure 5 -----	45,46
Y		5,16,27, 32,42
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 06, 22 September 2000 (2000-09-22) -& JP 2000 068069 A (IDEMITSU KOSAN CO LTD), 3 March 2000 (2000-03-03) abstract; figures 4,5 -----	12,13, 37,38
Y	US 2003/107314 A1 (URABE TETSUO ET AL) 12 June 2003 (2003-06-12) paragraphs [0036], [0042], [0046]; figure 1 -----	14
P,X	US 2005/099118 A1 (KOBAYASHI HIDEKAZU) 12 May 2005 (2005-05-12) paragraphs [0015], [0016], [0018], [0024], [0026]; figure 4 -----	1-4, 6-11, 16-19, 21-23, 25, 28-31, 33-36, 39-46

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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INTERNATIONAL SEARCH REPORT

International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-46

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-46

Organic electroluminescent device wherein a microcavity is provided between a second reflective electrode and a semi-transparent mirror disposed between a substrate and a first electrode, the semi-transparent mirror being formed by one or more intermediate layers of dielectric material with a refractive index greater than 1.8 or a metal layer. Substrate for an OLED comprising the semi-transparent mirror and a conductive layer. Method to manufacture the OLED device.

2. claims: 47-69

A multilayer display device comprising anti-reflection means associated with the electrodes and method to manufacture such a device.
