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(54) Title: TRANSFER SURFACE FOR MANUFACTURING A LIGHT EMITTING DEVICE

(57) Abstract: Methods for depositing material and/or nanomaterial are disclosed. Also disclosed are methods of making devices including nanomaterials, systems useful for depositing materials and/or nanomaterials, surface treated articles for depositing material and/or nanomaterial onto a substrate, and surface treated transfer surfaces.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/09255

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B41F 7/00**(2006.01),**3/34**(2006.01);**B41M 1/04**(2006.01),**1/10**(2006.01);**B05D 5/06**(2006.01),**5/00**(2006.01),**1/02**(2006.01)

USPC: 101/130,135,150,151;427/66,256,421.1;977/950,952

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)

U.S. : 101/130,135,150,151;427/66,256,421.1;977/950,952

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/0196375 A1 (COE-SULLIVAN et al) 7 September 2006 (7.9.2006), [0006], [0009].	1-172
X	US 2004/0108808 A1 (KUMAGAI et al) 10 June 2004 (10.06.2004), [0101], Figs. 5A-5C	1
Y	US 2004/0028875 A1 (VAN RIJN et al) 12 February 2004 (12.02.2004), [0156]-[0157], Figs. 20A-20C	1-172
Y	US 2001/0001050 A1 (MIYASHITA et al) 10 May 2001 (10.05.2001), [0010]	1-2,4-31,38-46,79,88,90-139,142-159,161-172
Y	US 2002/0047560 A1 (LEE et al) 25 April 2002 (25.04.2002), abstract, Fig. 1	1-2,4-31,38-46,79,88,90-139,142-159,161-172

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* *Special categories of cited documents:*

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/09255

Box No. 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.: 173 and 174
because they relate to subject matter not required to be searched by this Authority, namely:
The claims refer to the inventions described in the specification and the figures, but require any substantial limitations to a process, machine, manufacture, or composition of matter.

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 No. 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:

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 additional fees, this Authority did not invite payment of any additional fees.
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.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/09255

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/0058416 A1 (HOON LEE et al) 17 March 2005 (17.03.2005), abstract, Figs. 1A-1D	3,32-37,47-78,80-87,89,140,141,160