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(54) **Title:** COMPOSITIONS AND METHODS INCLUDING DEPOSITING NANOMATERIAL

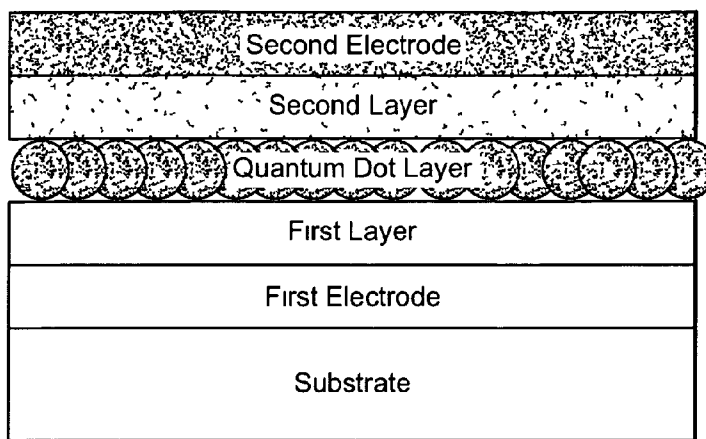


FIG. 2

(57) **Abstract:** An ink composition comprising a nanomaterial and a liquid vehicle, wherein the liquid vehicle comprises a composition including one or more functional groups that are capable of being cross linked is disclosed. An ink composition comprising a nanomaterial, a liquid vehicle, and scatterers is also disclosed. An ink composition comprising a nanomaterial and a liquid vehicle, wherein the liquid vehicle comprises a perfluorocompound is further disclosed. A method for inkjet printing an ink including nanomaterial and a liquid vehicle with a surface tension that is not greater than about 25 dyne/cm is disclosed. In certain preferred embodiments, the nanomaterial comprises semiconductor nanocrystals. Devices prepared from inks and methods of the invention are also described.

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<b>A CLASSIFICATION OF SUBJECT MATTER</b> <b>IPC(8) - C09D 11/00, B82B 1/00 (2008 04)</b> <b>USPC - 106/31 13, 106/31 85, 106/31.96, 977/888</b> According to International Patent Classification (IPC) or to both national classification and IPC		
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<b>C DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 2005/0272159 A1 (ISMAGILOV et al) 08 December 2005 (08 12 2005), para [0011], [0145], [0146], [0149], [0298], [0301], [0307], [0344], [0399], [0421], [0422]	29-33, 43, 46
Y		34-39, 44, 45
Y	US 2005/0214967 A1 (SCHER et al) 29 September 2005 (29 09 2005), para [0009], [0070], [0073], [0120], [0189], [0201]-[0208], [0219]-[0223]	1-28, 40-42
Y	US 2006/0057480 A1 (LIN et al) 16 March 2006 (16 03 2006), para [0013], [0020], [0034]	1-28, 40-42
Y	US 2003/0030706 A1 (JAGANNATHAN et al) 13 February 2003 (13 02 2003), para [0017], [0064]	34-39, 44, 45
<input type="checkbox"/> Further documents are listed in the continuation of Box C		
<b>D</b>		
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Name and mailing address of the ISA/US <b>Mail Stop PCT, Attn ISA/US, Commissioner for Patents</b> <b>P O Box 1450, Alexandria, Virginia 22313-1450</b> Facsimile No 571-273-3201		Authorized officer <b>Lee W Young</b> PCT Helpdesk 571 272-4300 PCTOSP 571-272 7774