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(54) Title: STRUCTURED SUBSTRATES FOR IMPROVING DETECTION OF LIGHT EMISSIONS AND METHODS RELATING TO THE SAME

(57) Abstract: Structured substrate including (a) a plurality of nanoparticles distributed on a solid support, (b) a gel material forming a layer in association with the plurality of nanoparticles, and (c) a library of target nucleic acids in the gel material.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C12N15/09
ADD.

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)
C12N

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)

EPO-Internal, BIOSIS, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2013/063382 A2 (ILLUMINA INC [US]; BOWEN M SHANE [US]; GUNDERSON KEVIN L [US]; LIN SHE) 2 May 2013 (2013-05-02) the whole document -----	1-167
X	VENKATESAN BALA MURALI ET AL: "Nanopore sensors for nucleic acid analysis.", NATURE NANOTECHNOLOGY OCT 2011, vol. 6, no. 10, October 2011 (2011-10), pages 615-624, XP002739803, ISSN: 1748-3395 the whole document -----	1-167
Y	WO 03/049677 A2 (NANOGEN INC [US]) 19 June 2003 (2003-06-19) the whole document ----- -/-	1-167

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☒ See patent family annex.

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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	US 2003/059929 A1 (HELLER MICHAEL J [US] ET AL) 27 March 2003 (2003-03-27) the whole document -----	1-167

INTERNATIONAL SEARCH REPORT

Information on patent family members

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