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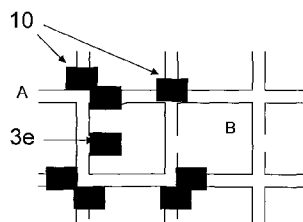


Fig. 3

(57) Abstract: A method is provided of forming a micro-channel structure for use in a biosensing device. A master structure is provided having a first configuration of micro-channels with respective first fluid flow characteristics. One or more regions of material are deposited onto the master structure using a fluidjet process so as to modify the first configuration into a second configuration having respective second fluid flow characteristics, different from the first. Functional biosensing devices formed using the method are also described.



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**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. B81C1/00 B01L3/00  
 ADD.  
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**B. FIELDS SEARCHED**  
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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 practical, search terms used)  
 EPO-Internal, WPI Data, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 063 589 A (KELLOGG GREGORY [US] ET AL) 16 May 2000 (2000-05-16) abstract column 6, line 24 - column 10, line 8 column 28, lines 19-23 column 32, line 13 - column 34, line 6 column 34, lines 32-37 column 39, line 25 - column 41, line 19 column 54, line 64 - column 55, line 17 figures 2,5-6K ----- -/--	1-20, 22-26

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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.</p> <p>"&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search <b>23 June 2011</b>	Date of mailing of the international search report <b>04/07/2011</b>
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer <b>Ekoué, Adamah</b>
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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.
X	<p>US 2007/098600 A1 (KAYYEM JON F [US])  3 May 2007 (2007-05-03)  abstract  page 1, paragraph 7-9  page 2, paragraph 20  page 5, paragraph 61  page 6, paragraph 63  page 10, paragraph 102-109  page 13, paragraphs 143,149  page 16, paragraph 170  page 44, paragraph 160  figures 9J-9N  page 8, paragraphs 78,80,86  page 9, paragraph 89</p> <p style="text-align: center;">-----</p>	1-22
A	<p>US 2008/150187 A1 (DANIEL JURGEN H [US] ET  AL) 26 June 2008 (2008-06-26)  page 1, paragraph 19</p> <p style="text-align: center;">-----</p>	1-26
A	<p>HAEBERLE S ET AL: "Microfluidic platforms  for lab-on-a-chip applications",  LAB ON A CHIP, ROYAL SOCIETY OF CHEMISTRY,  CAMBRIDGE, GB,  vol. 7, no. 9,  1 September 2007 (2007-09-01), pages  1094-1110, XP002553336,  ISSN: 1473-0197, DOI: DOI:10.1039/B706364B  [retrieved on 2007-07-27]  the whole document</p> <p style="text-align: center;">-----</p>	1-26

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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