

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2017/076567

A. CLASSIFICATION OF SUBJECT MATTER
 INV. G01N21/85 G01N33/22 G01N33/28 G01M3/02 G01M3/20
 G01M3/38
 ADD. G01N21/03 G01N21/27
 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)
 G01N G01M

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, 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 2012/170743 A1 (SENTELLIGENCE INC [US]; COATES JOHN [US]; QUALLS ROBERT [US]) 13 December 2012 (2012-12-13)	1-8, 10-13
Y	paragraphs [0002], [0004] - [0006], [0041], [0043], [0047], [0056], [0059], [0069], [0071]; figures 5A-5C	9
Y	WO 2012/168151 A1 (CASTROL LTD [GB]; CHAHINE SAMIR [GB]; WEST KEVIN RICHARD [GB]) 13 December 2012 (2012-12-13) page 3, lines 15,16 page 29, lines 16-27 page 27, line 19 - page 28, line 14	9
A	WO 2014/030555 A1 (HORIBA LTD [JP]) 27 February 2014 (2014-02-27) the whole document	1-13

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 application or patent 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>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 26 January 2018	Date of mailing of the international search report 02/02/2018
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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 Navas Montero, E
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2017/076567

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2012170743	A1	13-12-2012	CN 103748441 A
			CN 106645002 A
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			EP 2718680 A1
			JP 6091500 B2
			JP 2014516168 A
			KR 20140049540 A
			US 2014226149 A1
			US 2016076995 A1
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			WO 2012170743 A1
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