

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/071047

A. CLASSIFICATION OF SUBJECT MATTER*G01N 21/3504*(2014.01)i; *G01N 21/65*(2006.01)i

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

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 Y	US 2005247868 A1 (CALL CHARLES J [US] ET AL) 10 November 2005 (2005-11-10) paragraph [0023] paragraphs [0026] - [0034] paragraph [0127]	1,4,5,7,8,10-18 2,3,6,9
X	US 2005280814 A1 (IULIANO MICHAEL J [US]) 22 December 2005 (2005-12-22) paragraph [0027] paragraphs [0094] - [0096]	1,8
X	US 5866430 A (GROW ANN E [US]) 02 February 1999 (1999-02-02) column 16, line 59 - column 18, line 50 column 29, line 61 - column 30, line 40	1,4,8
Y	US 3768908 A (ZAROMB S) 30 October 1973 (1973-10-30) column 5, lines 6-68	6
Y	US 2011208462 A1 (MAIER JOHN [US] ET AL) 25 August 2011 (2011-08-25) paragraphs [0064] - [0067]	2,3

 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

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"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

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"&" document member of the same patent family

Date of the actual completion of the international search

12 October 2018

Date of mailing of the international search report

22 October 2018

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ROYSTON GOODACRE. "Explanatory analysis of spectroscopic data using machine learning of simple, interpretable rules" <i>VIBRATIONAL SPECTROSCOPY</i> , NL, Vol. 32, No. 1, 01 August 2003 (2003-08-01), pages 33-45 DOI: 10.1016/S0924-2031(03)00045-6 ISSN: 0924-2031, XP055514795 pages 34-35	9

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/EP2018/071047

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
US	2005247868	A1	10 November 2005	EP	1727670	A2	06 December 2006
				JP	2007526478	A	13 September 2007
				US	2005247868	A1	10 November 2005
				WO	2006001852	A2	05 January 2006

US	2005280814	A1	22 December 2005	US	2005280814	A1	22 December 2005
				WO	2006085946	A1	17 August 2006

US	5866430	A	02 February 1999	AU	2558499	A	07 August 2000
				CA	2357732	A1	27 July 2000
				CA	2575023	A1	27 July 2000
				EP	1159603	A1	05 December 2001
				EP	1533607	A2	25 May 2005
				JP	3704473	B2	12 October 2005
				JP	2002535646	A	22 October 2002
				US	5866430	A	02 February 1999
				WO	0043754	A1	27 July 2000

US	3768908	A	30 October 1973	NONE			

US	2011208462	A1	25 August 2011	US	2011208462	A1	25 August 2011
				US	2011211763	A1	01 September 2011
