

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/063134

A. CLASSIFICATION OF SUBJECT MATTER

INV. H01J49/16

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)

H01J

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, INSPEC, COMPENDEX, 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	CORR ET AL: "Design Considerations for High Speed Quantitative Mass Spectrometry with MALDI Ionization" JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY, ELSEVIER SCIENCE INC, US, vol. 17, no. 8, 1 August 2006 (2006-08-01), pages 1129-1141, XP005605748 ISSN: 1044-0305 abstract page 1130, column 1, line 59 - line 60 page 1130, column 2, line 16 - line 18 page 1131, column 1, line 13 - line 20 page 1135, column 1, line 5 - line 52 page 1136, column 1, line 19 - line 22 page 1136, column 1, line 36 - line 44 page 1136, column 1, line 49 - line 53 page 1136, column 2, line 7 - line 10 page 1136, column 2, line 20 - line 22 -/--	1-51

☒ 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

E earlier document but published on or after the international filing date

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)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

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

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

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.

* & * document member of the same patent family

Date of the actual completion of the international search

24 September 2008

Date of mailing of the international search report

06/10/2008

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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.
	figure 1	
X	----- US 2006/124846 A1 (COVEY THOMAS R [CA] ET AL) 15 June 2006 (2006-06-15) claim 1 page 10, paragraphs 82,83 figures 3,4,18,20	1-51
A	----- US 6 504 150 B1 (VERENTCHIKOV ANATOLI N [US] ET AL) 7 January 2003 (2003-01-07) the whole document	1-51
A	----- EP 1 465 234 A (BRUKER DALTONICS INC [US]) 6 October 2004 (2004-10-06) the whole document	1-51
A	----- WO 2005/001879 A (MDS SCIEX [CA]; SCHNEIDER BRADLEY; COVEY THOMAS R [CA]) 6 January 2005 (2005-01-06) the whole document -----	1-51

INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/US2007/063134

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2006124846	A1	15-06-2006	CA 2629011 A1 EP 1964156 A2 WO 2007075856 A2	05-07-2007 03-09-2008 05-07-2007
US 6504150	B1	07-01-2003	NONE	
EP 1465234	A	06-10-2004	CA 2463433 A1 US 2004195503 A1 US 2007278399 A1 US 2004211897 A1	04-10-2004 07-10-2004 06-12-2007 28-10-2004
WO 2005001879	A	06-01-2005	CA 2516264 A1 EP 1593144 A2 JP 2007500927 T	06-01-2005 09-11-2005 18-01-2007