



(11) EP 2 315 233 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
04.01.2012 Bulletin 2012/01(51) Int Cl.:
H01J 49/42 (2006.01)(43) Date of publication A2:
27.04.2011 Bulletin 2011/17

(21) Application number: 10195573.0

(22) Date of filing: 26.05.2008

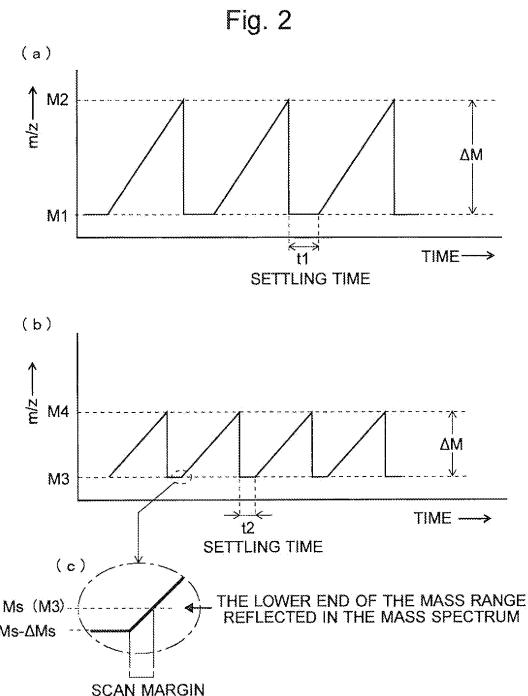
(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
RO SE SI SK TRDesignated Extension States:
AL BA MK RS(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
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(54) Quadrupole mass spectrometer

(57) In a scan measurement in which a mass scan is repeated across a predetermined mass range, when a voltage is returned from a termination voltage of one scan to an initiation voltage for the next scan, an undershoot or other drawbacks occur to destabilize the voltage value. Therefore, an appropriate waiting time is required. Conventionally, this waiting time has been set to be constant regardless of the analysis conditions. On the other hand, in the quadrupole mass spectrometer according to the present invention, the mass difference ΔM between the scan termination mass and the scan initiation mass is computed based on the specified mass range, and a different settling time is set in accordance with this mass difference. When the mass difference ΔM is small and hence requires only a short voltage stabilization time, a relatively short settling time is set. This shortens the cycle period of the mass scan, which increases the temporal resolution.





EUROPEAN SEARCH REPORT

Application Number
EP 10 19 5573

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
1	Place of search The Hague	Date of completion of the search 29 November 2011	Examiner Loiseleur, Pierre
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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