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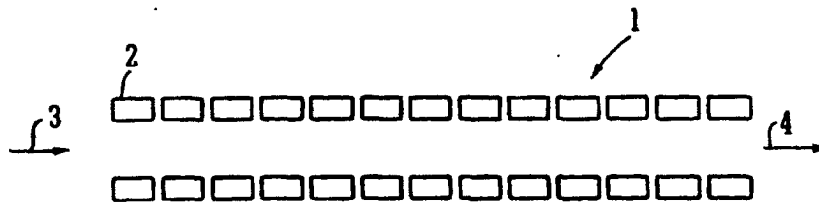
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(54) **Mass spectrometer**

(57) A mass spectrometer is disclosed having an ion guide 1 which receives ions from either a pulsed ion source or an ion trap, or a continuous ion source. The ion guide 1 emits packets of ions. The pulses of ions

emitted from the ion guide 1 may be synchronised with another device such as an ion detector, an orthogonal acceleration Time of Flight mass analyser, an ion trap or a mass filter.



**FIG. 1**



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EUROPEAN SEARCH REPORT

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H01J
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
The Hague	22 April 2004	HuIne, S	
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			

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ANNEX TO THE EUROPEAN SEARCH REPORT  
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