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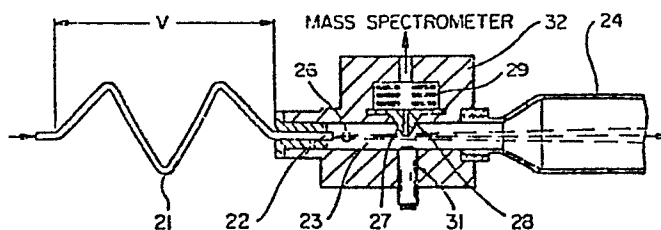
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(54) Thermospray ion sampling device.

(57) The performance of a thermospray ion source for liquid chromatograph/mass spectrometers is improved dramatically by providing a voltage gradient across the thermospray jet stream to increase the efficiency of transferring ions of all masses from the thermospray jet stream to the mass spectrometer, and in particular the intensity of high mass ions relative to low mass ions.



FIG_2



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	US-A-4 160 161 (R.L. HORTON) * column 1, lines 47-54; figure 1 *	1,4	H 01 J 49/04
Y,D	<p>---</p> <p>ANALYTICAL CHEMISTRY, vol. 55, no. 11, September 1983, pages 1741-1744, American Chemical Society, Washington, DC., US; D.J. LIBERATO et al.: "Charaterization of glucuronides with a thermospray liquid chromatography/mass spectrometry interface" * Page 1742, "Experimental sec- tion" *</p> <p>-----</p>	1,4	<p>TECHNICAL FIELDS SEARCHED (Int. Cl. 4)</p> <p>H 01 J G 01 N</p>
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-06-1987	Examiner WINKELMAN, A.M.E.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			