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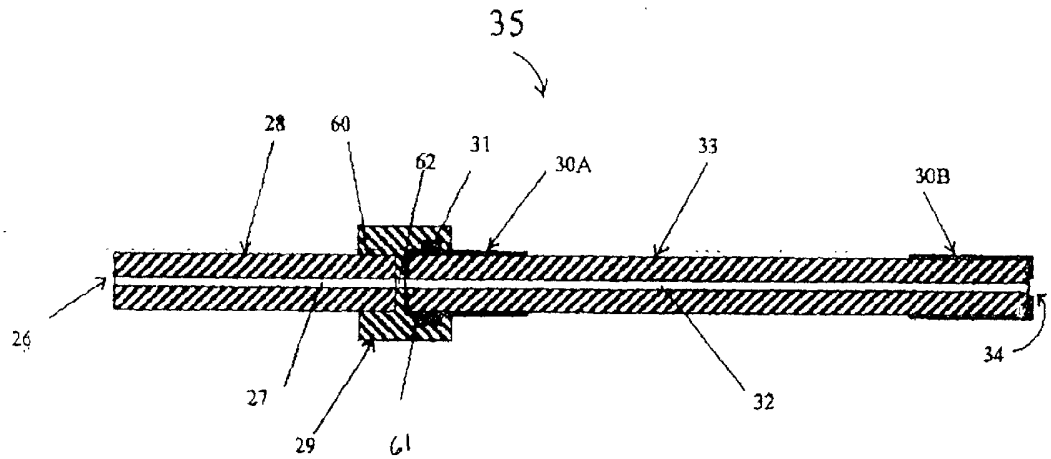
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(54) Title: METHOD AND APPARATUS FOR A MULTIPLE PART CAPILLARY DEVICE FOR USE IN MASS SPECTROMETRY



(57) Abstract: The present invention provides a multiple part capillary (35) for use in mass analysis instruments. Specifically, a multiple part capillary comprising at least two capillary sections (28, 33) joined with airtight seal by a union (29) for use in mass spectrometry (particularly with ionization sources) to transport ions between pressure regions of a mass spectrometer for analysis is described herein. Preferably, the capillary is useful to transport ions from an elevated pressure ionization source to a first vacuum region of a mass analysis system.

WO 02/068949 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01J49/04

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)
IPC 7 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)

PAJ, WPI Data, EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 505 832 A (LAUKIEN FRANK ET AL) 9 April 1996 (1996-04-09) claims 1,6,7	1
A	US 5 289 003 A (MUSSER STEVEN M) 22 February 1994 (1994-02-22) claim 1	1
A	US 5 965 883 A (SCHINDLER THOMAS ET AL) 12 October 1999 (1999-10-12) cited in the application	
A	EP 0 706 047 A (CURTIN MATHESON SCIENT INC) 10 April 1996 (1996-04-10) claim 1	1

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
19 June 2002	26/06/2002

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Van den Bulcke, E

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International Application No
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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.
A	US 5 288 113 A (SILVIS PAUL H ET AL) 22 February 1994 (1994-02-22) claim 1 -----	1

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Information on patent family members

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