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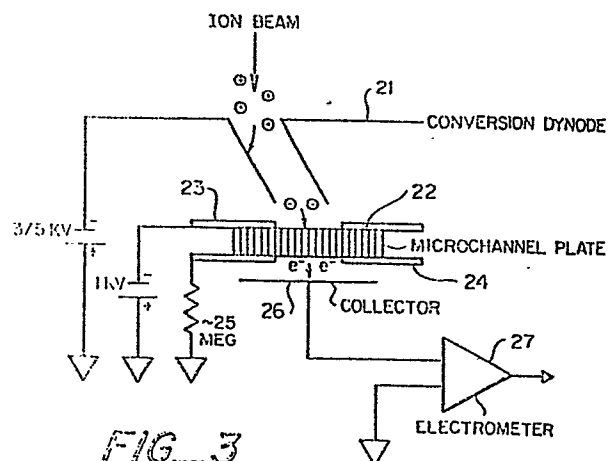
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54 **Ion detector.**

57 An ion detector is disclosed herein and includes a conversion dynode (21) for receiving at its input charged particles and for delivering at its output charged particles such that the latter particles leave the output of said dynode (21) in a diffused manner and a microchannel electron multiplier (22) disposed adjacent the conversion electrode to receive said diffused charged particles from the output of the conversion dynode (21) and a collector electrode (26) for receiving electrons exiting the microchannel plate (22). The ion detector also includes a resistive divider for providing voltages to said conversion dynode (21), across the microchannel plate (22) and to said collector electrode (26).





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EUROPEAN SEARCH REPORT

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Application number

EP 86 30 0994

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)
X	US-A-3 986 024 (L. RADERMACHER) * Column 5, line 67 - column 6, line 23; abstract; figure 2 *	1,4	H 01 J 49/02
A,D	--- NUCLEAR INSTRUMENTS AND METHODS, vol. 162, 1979, pages 587-601, North-Holland Publishing Co., Amsterdam, NL; J.L. WIZA: "Microchannel plate detectors" * Figure 5 *	1,2,4	
A	--- OPTICAL ENGINEERING, vol. 17, no. 6, November/December 1978, pages 640-644, Bellingham, US; A.R. ASAM: "Advances in microchannel plate technology and applications" * Figure 6 *	1,4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H 01 J G 01 T
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19-08-1987	Examiner WINKELMAN, A.M.E.
CATEGORY OF CITED DOCUMENTS			
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		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	