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54 **Multiple beam electron discharge tube having beam convergence and beam-to-beam compression compensation.**

57 The invention concerns a multiple beam electron discharge tube (16) comprising beam-producing means (24) for producing plural beams of electrons directed along a beam axis (26) in the tube (16) toward a display screen (28, 30) positioned at one end of the tube (16); deflection means (32) for deflecting the electron beams relative to the beam axis (26) to produce an image on the display screen; convergence means positioned between the beam-

producing means (24) and the deflection means (32) for converging the electron beams, the convergence means including a first electrode structure (10) that is electrically isolated from and positioned upstream of a second electrode structure (36) that has a limiting aperture through which the electron beams propagate; and first biasing means for providing between the first and second electrode structures a first potential difference of an amount that directs through the limiting aperture a substantial number of the electrons in each one of the beams.

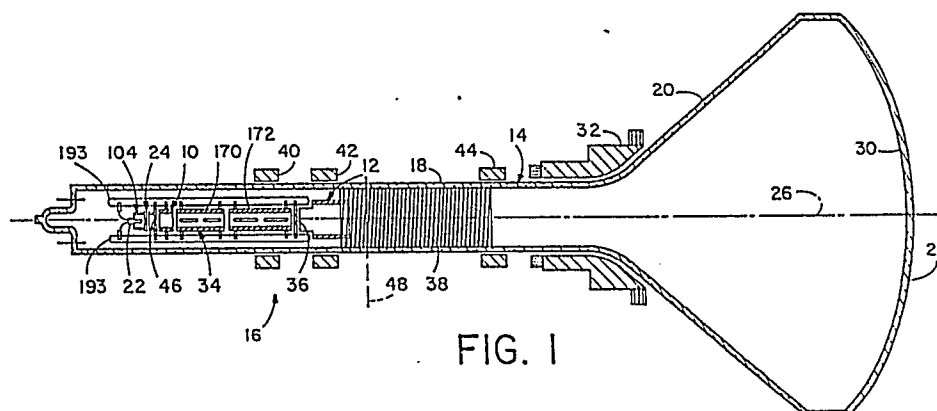


FIG. 1

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European Patent  
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EUROPEAN SEARCH REPORT

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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-3 798 478 (SAY) * Abstract; column 2, lines 6-22; column 3, lines 6-10,21,45-67; column 4, lines 16-20; column 4, line 50 - column 5, line 4; figures 1,2 *	1,7	H 01 J 29/46
A	-----	2,3,5,6 ,8-10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25-01-1989	Examiner MARTIN Y VICENTE M.A.
<p><b>CATEGORY OF CITED DOCUMENTS</b></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  .....  &amp; : member of the same patent family, corresponding document</p>			

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