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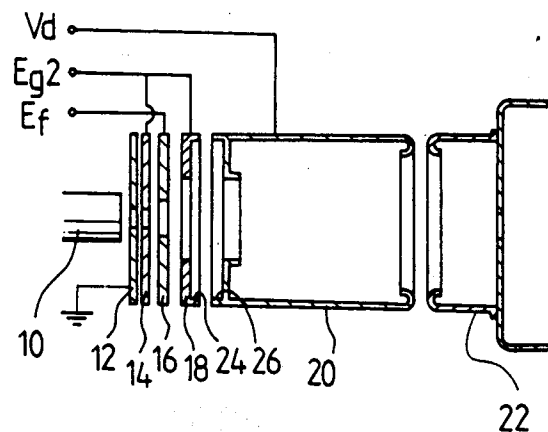
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Electron gun structure for color picture tubes.

There is disclosed an electron gun structure for color picture tubes comprising a prearranged electrode, a postarranged electrode, an extension flange perpendicularly formed along the periphery of the back end of said prearranged electrode, another extension flange perpendicularly formed along the periphery of the front end of said postarranged electrode, said both extension flanges being opposed to each other, and the electron beam passing apertures being disposed relatively inside said electrodes, wherein said prearranged electrode is supplied with a static voltage and said postarranged electrode with a dynamic focusing voltage which is varied according to a deflecting signal and a synchronizing signal, so that said prearranged electrode forms a convex focusing type of lens to have a focusing type of force which acts stronger vertically than horizontally, and said postarranged electrode forms a concave diverging lens to have a diverging force which acts stronger vertically than horizontally so as to expand the landing area of said electron beam vertically, thus said two lenses serving the complementary action to make the landing area of said electron beam circular throughout the screen of said color picture tube.

FIG. 1



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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.5)
Y	EP-A-0 265 683 (RCA CORPORATION) * page 2, line 36 - line 43; figures 3-5 * * page 3, line 43 - line 50 * * page 5, line 42 - line 46 * ---	1,2	H01J29/48 H01J29/50
Y	ELECTRONIC COMPONENTS AND APPLICATIONS. vol. 9, no. 1, 1989, EINDHOVEN NL pages 31 - 34; J GERRITSEN ET AL.: 'The Ploygon gun... for a cleaner, sharper electron spot' * page 32; figures 2,3 * ---	1,2	
A	PATENT ABSTRACTS OF JAPAN vol. 10, no. 289 (E-442)(2345) 2 October 1986 & JP-A-61 107 636 (TOSHIBA CORP.) 26 May 1986 * abstract * ---	2	
Y	US-A-4 581 560 (SHIRAI ET AL.) * column 5, line 20 - line 32; figure 2A * ---	1,2	
Y	DE-A-3 614 700 (HITACHI LTD.) * abstract; figures 3,4,5,8 * * page 9, line 26 - line 32 * -----	1,2	TECHNICAL FIELDS SEARCHED (Int. Cl.5) H01J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 NOVEMBER 1991	Examiner COLVIN G. G.
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 I : 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			