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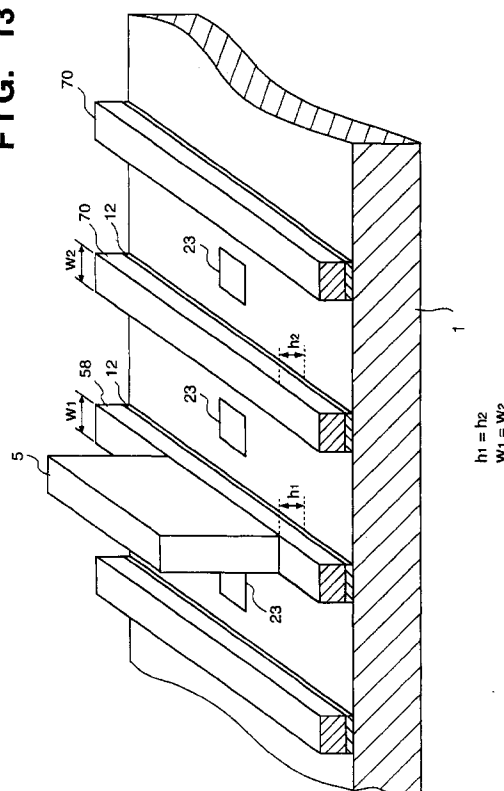
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(54) **Electron-beam generating apparatus and image forming apparatus using electron-beam generating apparatus**

(57) An image forming apparatus using an electron source which has matrix-wired electron-emitting devices connected with wiring electrodes of conductive material, and a fluorescent member as an image forming member with an accelerating electrode on its inner surface side, opposite to the electron-emitting devices. The wiring electrodes includes a wiring electrode where a semiconductive support member (spacer) is provided via a conductive connection member and a wiring electrode where the semiconductive support member is not provided. The height of the upper surface of the conductive connection member on which the semiconductive support member is provided and that of the upper surface of the wiring electrode where the semiconductive support member is not provided are the same, to prevent shift of electron-beam trajectories around the semiconductive support member, due to disturbance of electric-field distribution.

**FIG. 13****EP 0 725 420 A3**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 96 30 0688

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.6)
A	WO 94 18694 A (SILICON VIDEO CORP) 18 August 1994 * figures 3,4A,7A,9,12 * * page 3, line 23 - line 30 * * page 19, line 20 - page 20, line 10 * * page 46, line 23 - page 47, line 32 * ---	1,15,25	H01J31/12
A	EP 0 523 702 A (CANON KK) 20 January 1993 * figures * * column 12, line 48 - column 13, line 50 * * column 25, line 46 - column 26, line 13 * -----	1,15,25	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 October 1996	Examiner Colvin, G
<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 ..... &amp; : member of the same patent family, corresponding document</p>			

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