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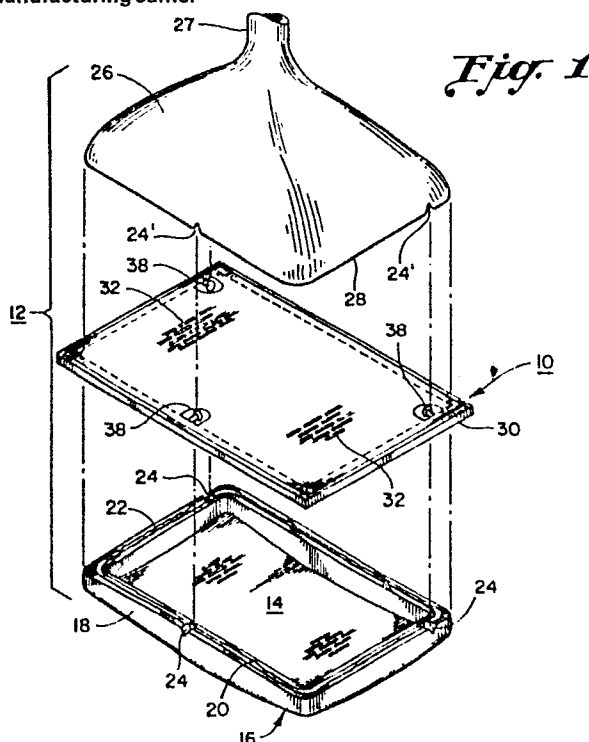
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(54) **Color cathode ray tube and component thereof and method of manufacturing same.**

(57) A novel color selection electrode assembly 10 is utilized in screening a pattern of phosphor areas upon the faceplate 16 of a color cathode ray tube 12. The faceplate 16, which is formed of a material having a predetermined temperature coefficient of expansion, has registration affording means. The aforesaid assembly 10 comprises an auxiliary mount 30 formed of a material having a temperature coefficient of expansion greater than that of the faceplate 16 and has a central opening of such span as to enable the mount 30 to surround the periphery of the faceplate 16. Index bosses 38, cooperable with the faceplate registration affording means, are detachably secured to the mount 30. A planar metal foil 32 having a predetermined pattern of apertures and formed of a material having a temperature coefficient of expansion not greater than that of the mount 30 is secured to the mount 30. The index bosses 38 cooperate with the registration affording means on the envelope to permit repeated precise registrations between the foil 32 and the faceplate 16 to facilitate screening of the phosphor pattern as well as to facilitate mating of the electrode assembly 10 to the faceplate 16. Finally, the invention contemplates a method of utilizing the electrode assembly for screening a phosphor pattern as well as methods of making a color cathode ray tube having such an electrode assembly.





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)
Y	GB-A-2 052 148 (SONY) * Page 1, line 113 - page 2, line 4; figures 2-4 *	1	H 01 J 29/07 H 01 J 9/227 H 01 J 9/26
Y	--- US-A-4 069 567 (SCHWARTZ) * Column 4, lines 34-49; figure 1 *	1	
A	--- US-A-3 665 569 (BOSSERS) * Column 5, lines 42-63 *	14	

			TECHNICAL FIELDS SEARCHED (Int Cl 4)
			H 01 J 29/00 H 01 J 9/00
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		04-02-1987	JANSSON P.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	