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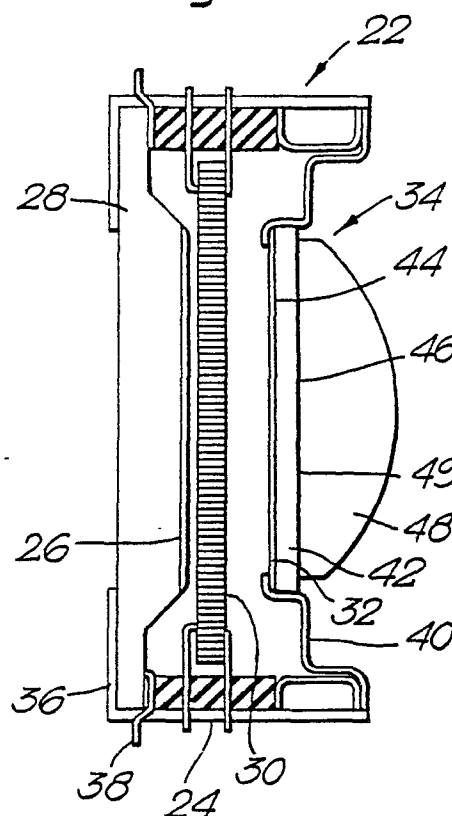
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54 An image intensifier device.

57 An image intensifier tube having a photocathode, a microchannel plate and an anode. The anode includes a lens element with a phosphor screen deposited thereon as an output window. The lens element may take the form of either a plano-convex or plano-concave element and has either a spheric or aspheric curved surface. In a modified version a plano glass element is affixed to the plano surface of the lens element. Methods of forming the tube with the lens element are at the time the finished tube is assembled in the intensifier device or at the time the tube is constructed.

Fig. 2.





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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)
X	US-A-3030514 (SALINGER) * column 1, lines 8 - 11; figures 1, 4, 5 * * column 2, lines 2 - 11 * * column 2, lines 64 - 67 * * column 3, lines 3 - 10 * * column 3, lines 43 - 57 * ----	1, 3, 10 -	H01J31/50 H01J29/89
X	US-A-4406973 (STOWE) * column 1, lines 18 - 32; figure 2 * * column 3, lines 40 - 47 * * column 3, lines 63 - 65 *	1-4, 7, 10, 11	
Y	----	5-8	
Y	US-A-3154687 (PERL ET AL.) * column 1, lines 11 - 14; figure 4 * * column 5, line 59 - column 6, line 12 * ----	5-7	
Y	PATENT ABSTRACTS OF JAPAN vol. 5, no. 11 (E-42)(683) 23 January 1981, & JP-A-55 141055 (SHIMAZU SEISAKUSHO K.K.) 04 November 1980, * the whole document * -----	8	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03 JULY 1990	Examiner COLVIN G.G.
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 I : document cited for other reasons & : member of the same patent family, corresponding document			