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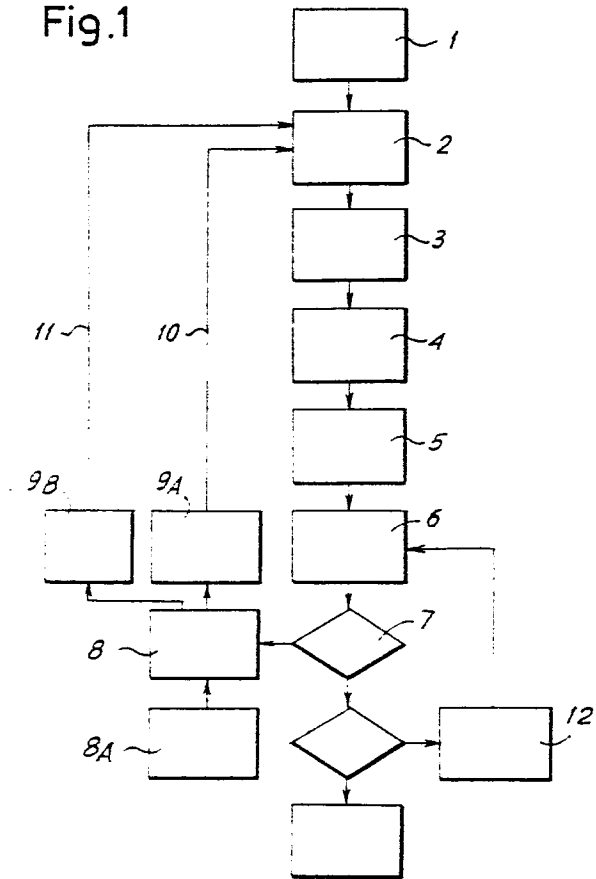
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System for correcting the geometry of the image resulting from the assembling of the deflection yoke on a cathode rays kinescope.

For the correction of the geometry and the distortions of the image obtained by a deflection yoke when associated with a kinescope to be steadily assembled to a yoke or to a reference kinescope, the following steps are provided: (1) generating a signal for the reference image, by a programmable signal generator; (2) displaying a distorted image on the kinescope/yoke under test; (3) reading the image through a solid-state television camera; (4) converting the analogic signal of the telecamera into a digital signal to make it utilizable by the processor; (5) storing the signal in a RAM type memory to keep it available during the processing; (6) processing and comparison in real time of the data relative to the distorted image with a reference or sample image on

the basis of comparison-algorithms specifically studied for the various parameters coming from (12); (7) comparing the data with the tolerances; going on with the correction if necessary, otherwise performing the next step to begin the correction of another type of distortion; (8) calculating the correction necessary for that parameter through the proper correcting algorithm supplied by 8A; (9) performing the correction which must reduce the distortion of the displayed image, automatically obtained at(9A)-(through the path 10) on (2), or by a guidance for the operator obtained at (9B) for a manual introduction according to (11).

Fig.1





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	EP-A-0 135 072 (HITACHI) * Abstract; figure 7; page 12, line 12 - page 14, line 6 *	1-4, 6	H 01 J 9/44 H 01 J 29/70
X		7-9	
Y	DE-A-3 146 441 (PHILIPS) * Abstract; page 8, line 18 - page 9, line 5 *	1-4, 16 , 17	
X		15	
Y	US-A-4 398 166 (BUMGARDNER) * Figure 1; column 1, lines 36-49 *	3	
Y	EP-A-0 123 612 (VIDEOCOLOR) * Abstract; figure 1; page 5, lines 5-7 *	16, 17	H 01 J 9/00 H 01 J 29/00
X		15	
Y	EP-A-0 123 613 (VIDEOCOLOR) * Figures 2,3; page 8, lines 20-26 *	6	
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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 29-09-1987	Examiner CENTMAYER
<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 & : member of the same patent family, corresponding document</p>			





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	US-A-3 965 386 (DUISTERMAAT) * Abstract; figures 1,2 * -----	6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
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