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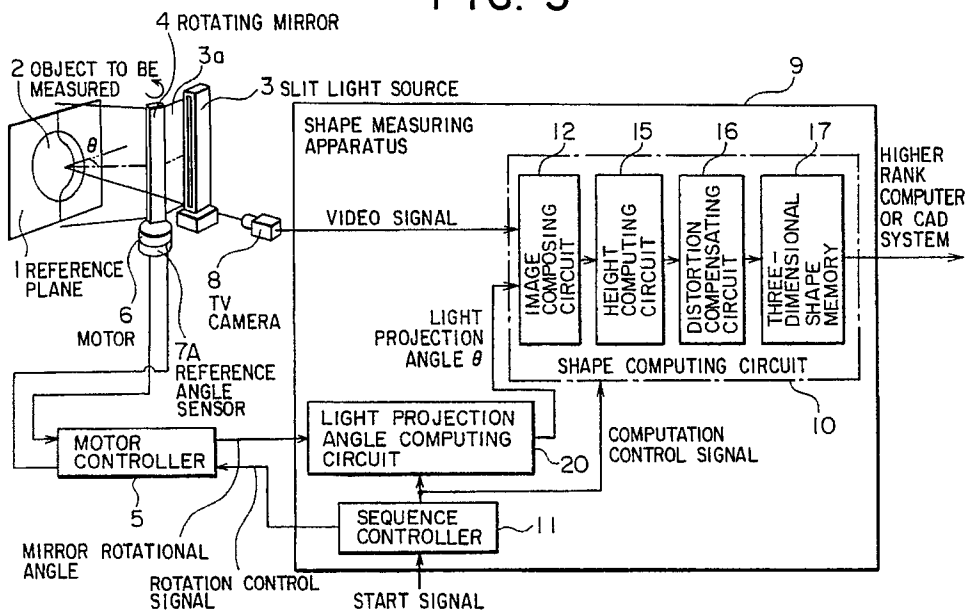
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Apparatus for measuring three-dimensional curved surface shapes.

A three-dimensional curved surface shape measuring apparatus of the slit light rotating type. In accordance with a composite image $\theta(x, y)$ produced when a slit light is rotationally scanned with respect to a picture of an object to be measured and horizontal displacements x_0 and vertical displacements

z_0 of an axis of rotation of the slit light with respect to an origin of a reference plane, a necessary computational processing is performed to determine a three-dimensional shape $f(x, y)$ of the object surface which is free of distortions due to a perspective effect of a television camera.

FIG. 3



EP 0 391 532 A3



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	WO-A-8607443 (THE BROKEN HILL PROPRIETARY COMPANY LIMITED) * page 6, line 31 - page 7, line 1; figure 3 *	1	G01B11/24
Y	US-A-4794262 (SATO ET AL.) * column 5, line 10 - column 10, line 46; figures 1-6 *	1	
A	PATENT ABSTRACTS OF JAPAN vol. 10, no. 127 (P-455)(2184) 13 May 1986, & JP-A-60 253806 (TOYODA CHUO KENKYUSHO K.K.) 14 December 1985, * the whole document *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G01B
Place of search	Date of completion of the search	Examiner	
THE HAGUE	11 DECEMBER 1990	BATTESON A.	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
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A : technological background		D : document cited in the application	
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