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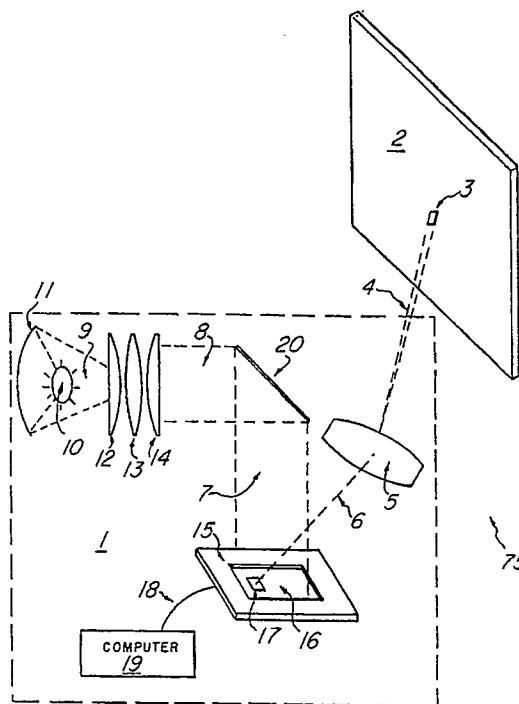
⑧ Date of deferred publication of the search report:  
**31.07.91 Bulletin 91/31**

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⑦<sup>1</sup> Applicant: **TEXAS INSTRUMENTS  
INCORPORATED**

54 Apparatus and method for digitized video system.

57) A digitized video system with an increased viewing angle having a light projector and a display screen. The light projector generating a plurality of narrow light beams to impinge on the display screen at a plurality of associated points. The display screen has a transducer generating surface acoustic waves which traverse the associated points. This results in reduced laser speckle.



*Fig. 1a*

**EP 0 385 706 A3**



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number

EP 90 30 2049

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	PATENT ABSTRACTS OF JAPAN, vol. 4, no. 107 (P-21)[589], 31st July 1980; & JP-A-55 065 940 (MATSUSHITA DENKI SANGYO K.K.) 17-05-1980 * Whole abstract * ---	1,5,11	G 09 F 9/37 G 02 B 6/08
A	IDEM ---	2,3,10	
Y	PATENT ABSTRACTS OF JAPAN, vol. 6, no. 151 (E-124)[1029], 11th August 1982; & JP-A-57 72 392 (MITSUBISHI DENKI K.K.) 06-05-1982 * Whole abstract * ---	1,5,11	
A	IDEM ---	4	
A,D	IEEE TRANSACTIONS ON SONICS AND ULTRASONICS, vol. SU-23, no. 1, January 1976, pages 2-22; IC. CHANG: "I. Acoustooptic devices and applications" * Page 2, "Introduction" * ---	1	
A	EP-A-0 139 991 (TEXAS INSTRUMENTS INC.) * Claim 1 * -----	3	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 02 B G 03 H G 09 F
<del>The present search report has been drawn up for all claims</del>			
Place of search		Date of completion of the search	Examiner
THE HAGUE		21-11-1990	GRUNFELD M.Y.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	



## CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

## ☒ LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-5,10,11: Reduction of speckle in projection system by generation of waveform in the screen.
2. Claims 6-9: Reduction of speckle in projection system by variation of beam phase.
3. Claims 12-24: Display system.
4. Claims 25-32: Structure of display screen and display system.

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,

namely claims: 1-5,10,11