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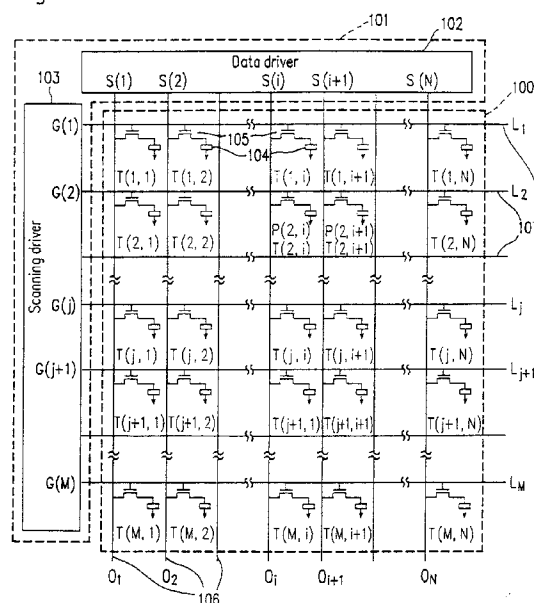
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54 **Driving circuit for display apparatus.**

57 A driving circuit of the invention is used for driving a display apparatus which includes pixels and data lines for applying voltages to the pixels and which displays an image with multiple gray scales in accordance with video data consisting of a plurality of bits. The driving circuit includes: an oscillating voltage specifying section for specifying one of a plurality of oscillating signals having respective duty ratios which are different from each other in accordance with video data consisting of bits selected from the plurality of bits, and for outputting the specified oscillating signal T and an oscillating signal $\bar{T}$ which is obtained by inverting the specified oscillating signal T ; a gray-scale voltage specifying section for producing gray-scale voltage specifying signals which specify a first gray-scale voltage and a second gray-scale voltage among a plurality of gray-scale voltages supplied from a gray-scale voltage supply section, in accordance with video data consisting of bits other than the selected bits of the plurality of bits; and an output section for outputting the first gray-scale voltage and the second gray-scale voltage specified by the gray-scale voltage specifying signals to the data lines, in accordance with the oscillating signal T and the oscillating signal $\bar{T}$.

Fig.1





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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 3106

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)
D,Y	EP-A-0 515 191 (SHARP K.K.) * Abstract * * page 12, line 37 - page 16, line 11; figures 20-25; tables 4-7 * ---	1-7	G09G3/36
Y	PATENT ABSTRACTS OF JAPAN vol. 17, no. 451 (P-1595) 18 August 1993 & JP-A-05 100 635 (NEC CO.) 23 April 1993 * figures 1,2 * * abstract * ---	1-7	
A	EP-A-0 433 054 (SHARP K.K.) * Abstract * * column 5, line 25 - column 6, line 40; figures 1,3,5 * -----	1,4	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			G09G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 March 1995	Examiner Corsi, F
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			

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