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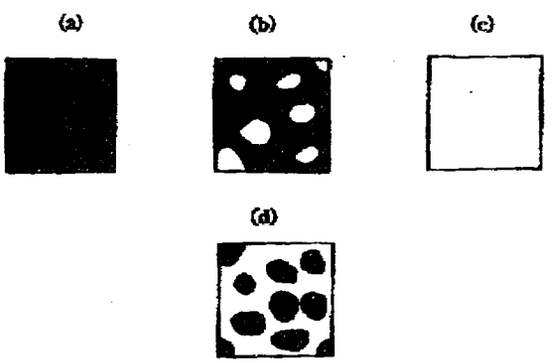
(54) Method of driving ferroelectric liquid crystal element.

(57) A method of driving a liquid crystal display element in which a switching element is provided for each of pixel electrodes arranged in a matrix manner and a ferroelectric liquid crystal is sandwiched between the pixel electrodes and a counter electrode includes the steps of applying a reset voltage for resetting the entire pixel to a first stable state of the ferroelectric liquid crystal across the pixel electrode and the counter electrode, partially transiting the pixel to a second stable state by a tone signal voltage having a pole opposite to that of the reset voltage, and reversing the pole of the reset voltage every predetermined period. Assuming that a state reverse ratio of the ferroelectric liquid crystal is T(V)-% when the tone signal voltage is V, a tone signal voltage V_1 after negative resetting and a corresponding tone signal voltage $-V_2$ after positive resetting satisfy the following relation:

$$T(V_1) + T(V_2) = 100$$

Fig. 3



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EUROPEAN SEARCH REPORT

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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)
A,D	EP-A-0 284 134 (PHILIPS) * the whole document * ---	1,4,5,8	G09G3/36
P,A	EP-A-0 362 939 (PHILIPS) * page 2, line 21 - line 27 * * page 3, line 42 - line 43 * * page 6, line 6 - line 15 * ---	1,2,5,6	
A	EP-A-0 197 742 (INTERNATIONAL STANDARD ELECTRIC CO.) * page 8, line 10 - line 19 * * page 9, line 18 - line 31; figure 3 * * page 14, line 13 - line 25 * -----	1-8	

TECHNICAL FIELDS SEARCHED (Int. Cl.5)

G09G

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	28 AUGUST 1992	FARRICELLA L.

CATEGORY OF CITED DOCUMENTS

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