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(11) Publication number:

0 421 772 A3

(12)

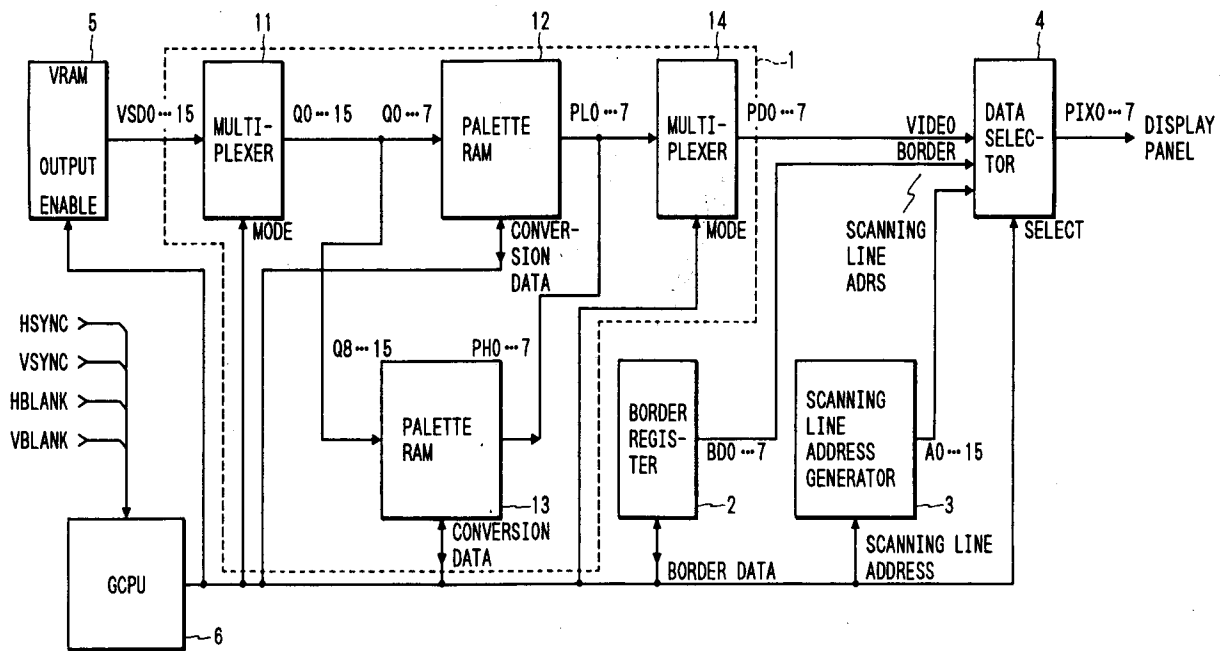
EUROPEAN PATENT APPLICATION(21) Application number: **90310846.2**(51) Int. Cl.⁵: **G09G 3/36**(22) Date of filing: **04.10.90**(30) Priority: **06.10.89 JP 261297/89**(43) Date of publication of application:
10.04.91 Bulletin 91/15(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE(88) Date of deferred publication of the search report:
19.11.92 Bulletin 92/47(71) Applicant: **CANON KABUSHIKI KAISHA**
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London WC1R 5DJ(GB)(54) **Display apparatus.**

(57) There is provided a display apparatus which uses a display panel using a liquid crystal having a bistability or a memory performance such as a ferroelectric liquid crystal and can display image data in various display modes in which the number of pixels (resolution), display color, minimum pixel unit, and the like respectively differ. The display apparatus comprises: a memory to store the image data; a pixel data output circuit to output the image data stored in the memory every pixel data; a converter to convert the pixel data which was output from the

pixel data output circuit into binary data which is displayed on the display panel; a display data output circuit for converting the binary data converted by the converter into the display data corresponding to the display mode and outputting; and a display controller for allowing the image data which was output by the display data output circuit to be displayed on the display panel. A multiplexer is used as a pixel data output circuit. An RAM in which binary data has been stored is used as a converter.

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FIG. 1





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EUROPEAN SEARCH REPORT

Application Number

EP 90 31 0846

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	EP-A-0 295 691 (TOSHIBA K.K.) * column 1, line 4 - column 2, line 2 *	1,4	G09G3/36
Y	--- PATENT ABSTRACTS OF JAPAN vol. 10, no. 232 (P-486)12 August 1986 & JP-A-61 067 024 (CANON INC) 7 April 1986	9-12	
A	* abstract *	1,8	
X	--- EP-A-0 195 203 (ASCII CORPORATION)	13	
Y	* page 8, paragraph 3 - page 9, paragraph 1; figures 6,7 *	9-12	
A	-----	5-7	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G09G G06F
Place of search THE HAGUE		Date of completion of the search 16 SEPTEMBER 1992	Examiner ZENDER J. J.
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			