

- ☐ Description : paged to paged
☒ Claim(s) : paged A₁ to paged A₆.....
☐ Drawing(s) : paged to paged
☐ Abstract : paged to paged
 DATE OF RECEIPT

4705 343-3

JP05



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G06F 3/147, G09G 3/36, G02F 1/139		A1	(11) International Publication Number: WO 97/06482
(21) International Application Number: PCT/JP96/02248		(81) Designated States: CA, CN, KR, SG, European patent (NL, SE).	
(22) International Filing Date: 8 August 1996 (08.08.96)		(43) International Publication Date: 20 February 1997 (20.02.97)	
(30) Priority Data: 7/224732 8 August 1995 (08.08.95) JP 7/286646 5 October 1995 (05.10.95) JP		Published With international search report.	
(71) Applicant: CASIO COMPUTER CO., LTD. [JP/JP]; 6-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-02 (JP).			
(72) Inventor: SHIMIZU, Masayuki; 21-5-202, Hanechigashi 1-chome, Hamura-shi, Tokyo 205 (JP).			
(74) Agent: KIMURA, Mitsuru; Kanda-Sakata Building, 6th floor, 2-5-1, Kandanishiki-cho, Chiyoda-ku, Tokyo 101 (JP).			

(54) Title: ELECTRICALLY CONTROLLED BIRIFRINGENCE LIQUID CRYSTAL DISPLAY HAVING MORE DISPLAY AREAS AND METHOD OF DRIVING THE SAME

(57) Abstract

An electrically controlled birifringence type liquid crystal display panel has a pictograph (picto) display area and character display areas. Character codes are stored in a DDRAM (301) and color attribute data indicating the display colors of characters are stored in a CCRAM (302), both in one-to-one association with the character display areas. Character patterns for character codes stored in the DDRAM (301) are read from a character generator (303), and, simultaneously color attribute data in the CCRAM (304) is read out. A segment driver (407) controls voltages to be applied to the liquid crystal display panel based on the character pattern and the color attribute data, for displaying the characters in arbitrary colors. Color attribute data which specifies the display color of each of pixels constituting a pictograph is set in a picto RAM (302). The color attribute data of the individual segments are read from the picto RAM (302) at the timing for displaying a pictograph, and the segment driver (407) controls voltages to be applied to the liquid crystal display panel in accordance with this color attribute data, for displaying pictograph on the pictograph display area.

