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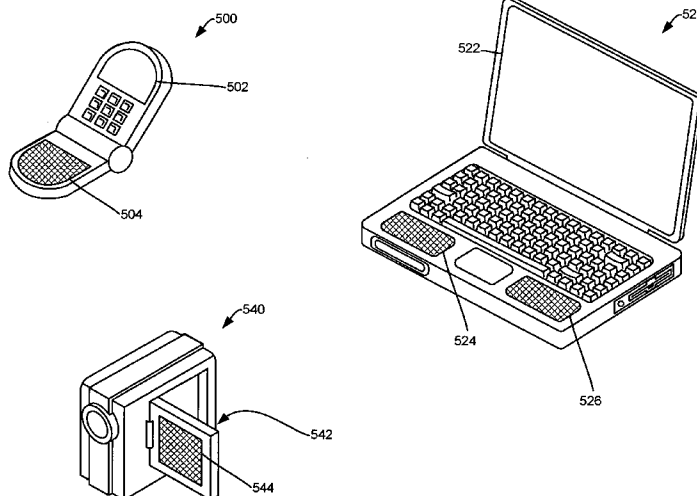
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(54) Title: ELECTRONIC DEVICES HAVING COMPLEMENTARY BISTABLE AND REFRESH-BASED DISPLAYS



(57) Abstract: Electronic devices having complementary dual displays are presented, the electronic devices including: a first display, wherein the first display is a refresh-based, high frame rate display; a first display controller for outputting an internal video signal to the first display; a second display, wherein the second display is a bistable, low frame rate display; and a second display controller for outputting the internal video signal to the second display. In some embodiments, the devices further include: a number of user input interfaces for receiving a user input, wherein the number of user input interfaces are configured to control the second display; and a user input controller for generating a control signal based on the user input, the user input controller in electronic communication with the number of user input interfaces and a processing unit of the electronic device.

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## INTERNATIONAL SEARCH REPORT

International application No.

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G09G 5/00 (2008.01)

USPC - 345/204

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
USPC - 345/204Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
USPC - 345/1.1, 204 -- text search, see search terms belowElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
PubWEST(PGPB,USPT,USOC,EPAB,JPAB); DialogPRO(Engineering); Google Scholar  
Search Terms Used: display, complement, refresh, LCD, LED, plasma, bistable, bi, stable, electronic, paper, EPD, dual, video, signal, control, frame, buffer, number, pixel, inch, PPI, dot, DPI, second, fps, number of frames, rate (-- cont'd on p. 8 --)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0196210 A1 (NAGATSUKA et al.) 07 October 2004 (07.10.2004), especially Figs 1, 4, 5; para [0007]-[0009], [0013], [0015], [0022]-[0028], [0030]-[0031], [0034], [0038]-[0041].	1-38
Y	US 2006/0197724 A1 (SAKAI) 07 September 2006 (07.09.2006), especially Figs 2, 3, 6; para [0011], [0043], [0048]-[0049], [0051], [0055]-[0057], [0062], [0073]-[0074], [0085], [0088].	1-38
Y	US 6,353,700 B1 (ZHOU) 05 March 2002 (05.03.2002), especially Figs 5, 6; col 1, ln 11-21; col 4, ln 47-49, 52; col 7, ln 32; col 8, ln 23.	3-5, 22-38
Y	US 2004/0225613 A1 (NARAYANASWAMI et al.) 11 November 2004 (11.11.2004), especially para [0004], [0042], [0053].	7
Y	US 2004/0257367 A1 (SMITH et al.) 23 December 2004 (23.12.2004), especially para [0009], [0057].	8
Y	US 2006/0146056 A1 (WYATT) 06 July 2006 (06.07.2006), especially para [0003], [0043], [0051], [0054].	9, 10

 Further documents are listed in the continuation of Box C.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1205824 A2 (JOHNSON) 15 May 2002 (15.05.2002), especially para [0003], [0007].	12, 31
Y	US 2006/0077127 A1 (SAMPSELL et al.) 13 April 2006 (13.04.2006), especially para [0086].	13, 14, 32, 33
Y	US 5,488,572 A (BELMONT) 30 January 1996 (30.01.1996), especially Figs 6A, 6B, 6F; col 2, ln 25-38; col 11, ln 3-10, 57-67; col 14, ln 34-41.	16-18
Y	US 2003/0160771 A1 (FRASER et al.) 28 August 2003 (28.08.2003), especially Figs 1A, 1B, 2; para [0007]-[0008], [0010]-[0011], [0021]-[0022], [0026]-[0027], [0029], [0032], [0034].	20, 21, 23, 29
Y	US 5,493,335 A (PARULSKI et al.) 20 February 1996 (20.02.1996), especially col 2, ln 1-11; col 5, ln 31-32.	26
Y	US 6,336,161 B1 (WATTS) 01 January 2002 (01.01.2002), especially col 2, ln 21-28; col 5, ln 15-16.	27
Y	US 2006/0083194 A1 (DHRIMAJ et al.) 20 April 2006 (20.04.2006), especially Fig 2; para [0004], [0027], [0029].	36

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Continuation of B. FIELDS SEARCHED:

Search Terms Used (cont'd): resolution, per, multiple, plurality, external, auxiliary, complementary, power, up, down, time, interval, period, on, seconds, detach, RAM, flash, audio, controller, interface