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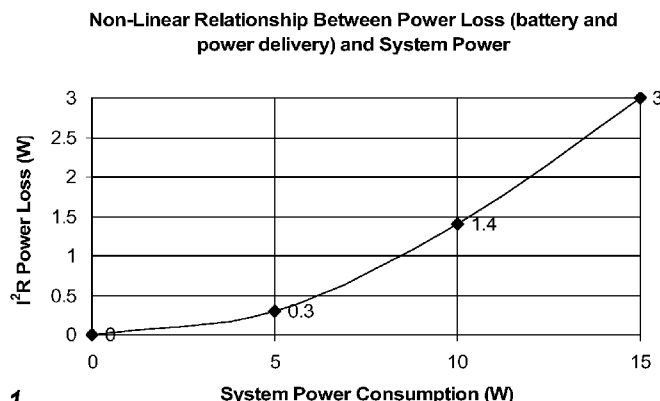
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(54) Title: RESCHEDULING ACTIVE DISPLAY TASKS TO MINIMIZE OVERLAPPING WITH ACTIVE PLATFORM TASKS

**FIG. 1**

(57) **Abstract:** In general, in one aspect, a mobile device display includes panel electronics, a backlight driver and a rescheduler. The panel electronics is to generate images on an optical stack of the display based on input from a processing platform of the mobile device. The backlight driver is to control operation of a backlight used to illuminate the optical stack so that the user can see the images generated on the display. The rescheduler is to determine when a timing critical task of the processing platform overlaps with a non-timing critical task of the panel electronics or the backlight driver and reschedule the non-timing critical task until the timing critical task is inactive or a visual tolerance limit has been reached. The rescheduling minimizes overlap between the timing critical tasks and non-timing critical tasks and accordingly reduces power consumption without effecting performance or impacting a user's visual experience.

A. CLASSIFICATION OF SUBJECT MATTER**G06F 1/32(2006.01)i, H04W 4/02(2009.01)i, G09G 3/20(2006.01)i**

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)

G06F 1/32; G06F 9/48; G06F 1/00; G06F 9/00; G06F 1/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: critical task, rescheduling, overlap, power consumption

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0185882 A1 (ARNOLD JEREMY A. et al.) 22 July 2010 See claims 1-7 and paragraphs [0022], [0041], [0044].	1-20
A	US 2004-0205757 A1 (TREVOR A. PERING) 14 October 2004 See claims 25 and 37-40.	1-20
A	US 2009-0307519 A1 (HYATT EDWARD CRAIG) 10 December 2009 See claim 9, paragraph [0064] and figure 4.	1-20
A	US 7246220 B1 (CHENG H. et al.) 17 July 2007 See claims 1-8.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010-0185882 A1	22.07.2010	None	
US 2004-0205757 A1	14.10.2004	CN 1802620 A CN 1802620 C0 EP 1627291 A2 JP 2006-522384 A JP 2006-522384 T TW 260543 B W0 2004-095248 A2 W0 2004-095248 A3	12.07.2006 12.11.2008 22.02.2006 28.09.2006 28.09.2006 21.08.2006 04.11.2004 04.11.2004
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US 7246220 B1	17.07.2007	None	