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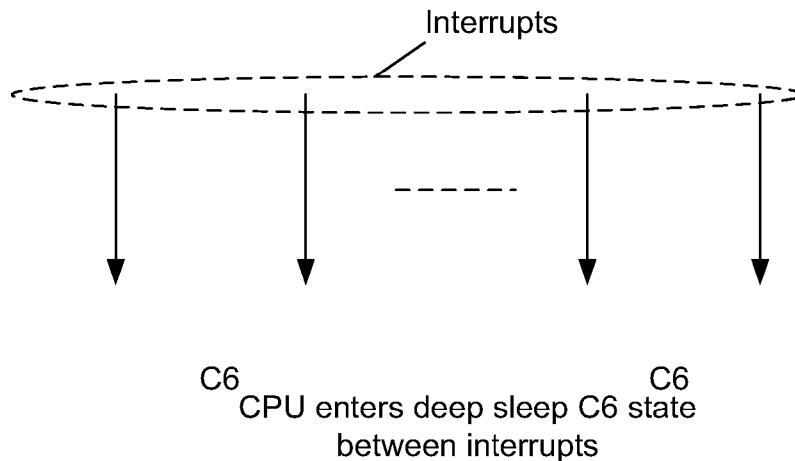
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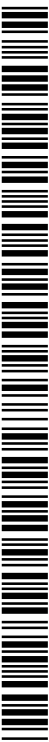
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(54) Title: TECHNIQUES FOR MANAGING POWER CONSUMPTION STATE OF A PROCESSOR



**FIG. 1**

(57) Abstract: Techniques are described for determining a temporary latency tolerance report (tLTR) value. A processing unit has to respond to a device interrupt within a duration specified by tLTR to ensure no incoming data is lost due to device buffer overflow. The tLTR value can be used to prevent the processing unit from entering too deep a sleep state when a device driver anticipates multiple sequential interrupts for a transaction.



## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2012/024689****A. CLASSIFICATION OF SUBJECT MATTER****G06F 9/48(2006.01)i, G06F 1/32(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 9/48; G06F 1/26; H04W 52/02; H04Q 7/20; G06F 1/00; G06F 1/32

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) &amp; Keywords: "latency tolerance report value, interval, sleep state"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009-0249103 A1 (JEYASEELAN JAYA L. et al.) 01 October 2009 See paragraphs [0020]-[0022], [0026], [0031], claims 1,2,3,11,17, and figure 4.	1, 10, 15
A		2-9, 11-14, 16-19
A	US 2009-0172434 A1 (KWA SEH W. et al.) 02 July 2009 See paragraphs [0014]-[0015], [0025], [0028], claims 1,6, and figure 2.	1-19
A	WO 2010-022376 A2 (ZTE (USA) INC. et al.) 25 February 2010 See paragraphs [0008], [0040]-[0044], and claim 1.	1-19
A	US 2007-0218939 A1 (HYOUNG KYU LIM et al.) 20 September 2007 See paragraphs [0012]-[0015], [0062]-[0063], [0130], claim 1, and figure 2.	1-19

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2012/024689**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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