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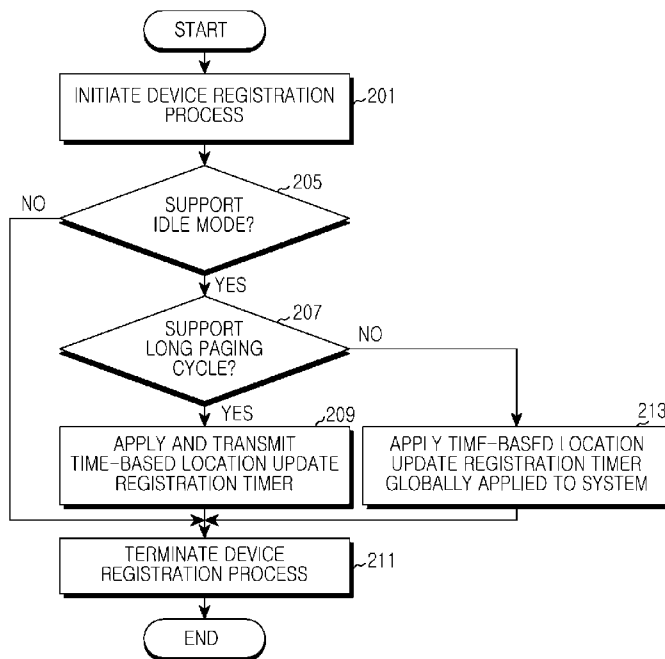
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[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR SUPPORTING LOCATION UPDATE REGISTRATION PROCESS IN MACHINE TO MACHINE COMMUNICATION SYSTEM

[Fig. 2]



(57) Abstract: An apparatus and method for supporting a location update registration process used for an idle mode operation of a Mobile Station (MS) in a Machine-to-Machine (M2M) communication are provided. The method includes determining whether a system global location update registration timer is applied to the MS, when it is determined that the global location update registration timer is not applied, determining a timer for updating a location when the MS operates in an idle mode, and transmitting a message including the timer to the MS.





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A. CLASSIFICATION OF SUBJECT MATTER**H04W 60/00(2009.01)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)

H04W 60/00; H04W 68/00; H04W 8/02; H04W 68/04; H04W 8/04

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: idle mode , location update , paging cycle

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-2010-0019306 A (LG ELECTRONICS INC.) 18 February 2010 See claims 1-14 and figures 1-12.	1-15
A	KR 10-2007-0114933 A (SAMSUNG ELECTRONICS CO., LTD.) 05 December 2007 See claims 1-12 and figures 1-6.	1-15
A	KR 10-2010-0042204 A (LG ELECTRONICS INC.) 23 April 2010 See claims 1-14 and figures 1-11.	1-15

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

* Special categories of cited documents:

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INTERNATIONAL SEARCH REPORT

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