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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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(54) Title: POWER EFFICIENT OBJECT DETECTION WITH SELECTIVE POLLING

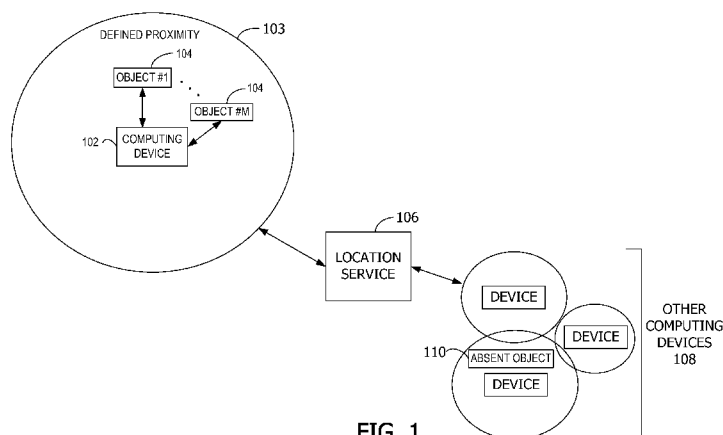


FIG. 1

(57) **Abstract:** Detecting the absence of tagged objects near a computing device and attempting to locate the absent, tagged objects using other computing devices in a power-efficient manner. The computing device is monitored for triggering conditions. Upon occurrence of at least one of the triggering conditions, the computing device polls for the tagged objects expected to be proximate to the computing device. By polling responsive to occurrence of the triggering conditions, power consumption by the computing device is reduced. The triggering conditions include, for example, time-based transitions, movement of the computing device, or a geographic location of the computing device. Upon detecting the absence of at least one of the objects, the computing device, or a web service, identifies other computing devices to which the absent object may be proximate. The other computing devices determine whether the absent object is proximate, and notify the computing device.

A. CLASSIFICATION OF SUBJECT MATTER***H04B 7/24(2006.01)i, H04W 52/02(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)

H04B 7/24; G08B 1/08; H04W 4/02; H04Q 5/22

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: trigger, interrogate, absent object and location service.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005-0083181 A1 (JALKANEN, JANNE et al.) 21 April 2005 See abstract, paragraphs [0032],[0033],[0053]-[0057], figures 1,3-4 and claims 14,17-18,20.	1-15
A	US 2005-0068170 A1 (AUPPERLE, BRYAN ERIC et al.) 31 March 2005 See abstract, paragraphs [0023]-[0025],[0031]-[0032], figures 1-3 and claims 1,6.	1-15
A	KR 10-2008-0002329 A (SAMSUNG ELECTRONICS CO., LTD.) 04 January 2008 See abstract, paragraphs [0029]-[0032],[0058]-[0068], figures 1-2,5 and claims 1-4,6,8.	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

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Information on patent family members

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