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[Continued on next page]

(54) Title: METHODS AND APPARATUS TO CREDIT USAGE OF MOBILE DEVICES

	410 DEVICE IDENTIFIER	420 PANELIST IDENTIFIER	430 TIMESTAMP	440 HTTP REQUEST
450 ~	Apple® iPhone®	50000	6:00:00 PM	GET http://app.espn.com/home.html HTTP/1.1 Host: proxy.MonitoringEntity.com:50000 User-Agent: SportCenter ...
460 ~	Apple® iPhone®	50000	6:01:23 PM	GET http://app.espn.com/article.html HTTP/1.1 Host: proxy.MonitoringEntity.com:50000 User-Agent: SportCenter ...
470 ~	Apple® iPhone®	50000	6:04:43 PM	GET http://mail.company.com/ HTTP/1.1 Host: proxy.MonitoringEntity.com:50000 User-Agent: iPhone Mail ...
480 ~	Apple® iPhone®	50000	6:15:39 PM	GET http://app.espn.com/article2.html HTTP/1.1 Host: proxy.MonitoringEntity.com:50000 User-Agent: SportCenter ...
490 ~	Apple® iPhone®	50000	6:17:42 PM	GET http://www.weather.com/home.html HTTP/1.1 Host: proxy.MonitoringEntity.com:50000 User-Agent: Apple® Safari® ...
			...	

FIG. 4

(57) Abstract: Methods, apparatus, systems and articles of manufacture to monitor mobile internet usage are disclosed. An example method includes identifying a first application associated with a first request, determining that the first application is operating in a background mode, and crediting the first application as a background application based on determining that the first application is operating in the background mode.

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**A. CLASSIFICATION OF SUBJECT MATTER****H04W 4/26(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 4/26; G06F 11/34; H04W 24/00; H04W 4/24; G06F 9/46; G06F 21/00

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: usage, background, application, credit

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2013-0031599 A1 (MICHAEL LUNA et al.) 31 January 2013 See paragraphs [92], [142], [207], [208], [254], [294]-[296], [305], [306]; and figure 3D.	1, 2, 5, 13, 14, 17, 25 , 26, 29
A		3, 4, 6-12, 15, 16 , 18-24, 27, 28, 30-36
A	US 2008-0005736 A1 (JOHASON T. APACIBLE et al.) 03 January 2008 See paragraphs [9], [53], [80], [81], [111], [112]; and figure 3.	1-36
A	EP 2341437 A2 (ACCENTURE GLOBAL SERVICES LIMITED) 06 July 2011 See paragraphs [7], [11], [13], [14], [49], [51]; and figure 1.	1-36
A	US 2012-0210321 A1 (BRUNO C. SILVA et al.) 16 August 2012 See paragraphs [5], [6], [31]-[33]; and figure 1.	1-36
A	US 2013-0035059 A1 (BOJIN LIU et al.) 07 February 2013 See paragraphs [4], [5], [20], [21]; claims 1, 2; and figure 3.	1-36

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

\* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2014/028176**

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