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[Continued on next page]

(54) Title: USAGE MEASUREMENT COLLECTION AND ANALYSIS TO DYNAMICALLY REGULATE CUSTOMER
NETWORK USAGE

400

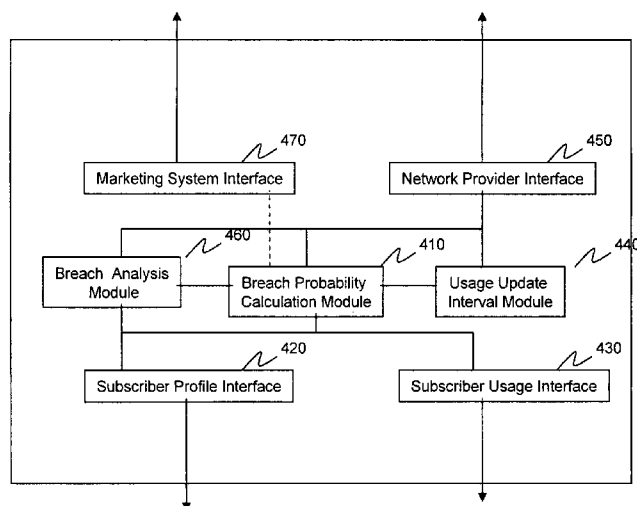


FIG. 4

(57) Abstract: In a network subscriber system, a method of determining how to monitor whether a subscriber's network usage exceeds a quota for the current billing period. The frequency at which the subscriber's usage data is collected and analyzed during the billing period is based upon the probability the subscriber's network usage exceeds the quota at a given point in time during the billing cycle. Usage data is collected more frequently as the probability increases. Usage analysis is performed if the probability exceeds a threshold.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC: <i>H04L 12/14</i> (2006.01) , <i>H04W 4/26</i> (2009.01) 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) IPC: <i>H04L 12/14</i> (2006.01) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) Canadian patent database, Totalpatent, and Google Some search term used: charging, policy, breach, quota, probability, usage, monitor, network usage, statistical, measurement, interim		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 119 944 (Briscoe et al.) 1 August 2001 (01-08-2001) see entire document	1-29
A	US 6,999,449 (Barna et al.) 14 February 2006 (14-02-2006) see entire document	1-29
☐ 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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