Device

Subscriber Mgmt. Server

Service Plan Mgmt. Server

Billing Server

SessionID-2-BillingCode Mapping

DM Server

Abstract: Aspects of the present invention may be seen in a device management (DM) network capable of associating billing codes with device management activities that involve transfer of data, upload or download of content, device management activities, reporting diagnostices messages, reporting alerts, reporting events, etc., in order to facilitate selective billing of such activities and selective assignment of one of several possible billing entities with these activities. In one embodiment of the present invention, each DM session has an associated billing code. In another embodiment of the present invention, nodes in a DM tree in the device may have an associated billing code to be communicated or otherwise used for billing by a billing server.
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
International application No.
PCT/US05/04520

A. CLASSIFICATION OF SUBJECT MATTER
   IPC: G07F 19/00 (2006.01); H04M 15/00 (2006.01)
   USPC: 705/34
   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)
   U.S.: 705/34, 705/40
   Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
   Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 2002/0123934 A1 (TANAKA et al) 5 September 2002 (5.9.2002), Paragraphs 0002, 0004, 0006, 0007, 0023, 0024, 0026, 00032, 0036, 0037, 0046, see figs. 1, 3, 4 and 5.</td>
<td>1-17</td>
</tr>
<tr>
<td>Y</td>
<td>US 6,434,537 B1 (GRIMES) 13 AUGUST 2002 (13.8.2002), Abstract, column 1, line 55- column 2, line 10, column 2, line 45-column 3, line 25, column 3, lines 26-45, column 4, lines 45-65</td>
<td>1-17</td>
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<td>X</td>
<td>US 2003/0131087 A1 (SHIPPY et al ) 10 JULY 2003 (10.7.2003), Paragraphs 0004, 0009, 0015, 0016, 0018, 0022</td>
<td>1-17</td>
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☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Date of the actual completion of the international search
18 July 2006 (18.07.2006)

Date of mailing of the international search report

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201

Authorized officer
[Signature]
Telephone No. (571) 272-3600

Form PCT/ISA/210 (second sheet) (April 2005)