(54) Title: METHOD AND APPARATUS FOR PERFORMING IPTV COMMUNICATION SERVICE

(57) Abstract: Provided are a method and apparatus for performing an internet protocol television (IPTV) communication service. The method includes: acquiring an application message providing the IPTV communication service from an external input with respect to a general-purpose web application by using plug-in application programming interfaces (APIs) of a web browser which are independent of an IPTV communication service provider; sending the application message to an IP multimedia subsystem (IMS) gateway (IG) functional entity apparatus; and receiving a response message comprising a result of processing the application message as a response to the sending of the application message, from the IG functional entity apparatus.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

Published: (88) Date of publication of the international search report:
15 April 2010
A. CLASSIFICATION OF SUBJECT MATTER

H04N 7/173(2006.01)i, H04N 5/44(2006.01)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)


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
(Chinese Patents and application for patent)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords IPTV, API

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>A</td>
<td>US 2007-0162931 A1 (JACKLYN MICKLE et al.) 12 July 2007 See abstract; claims 1, 10; [0014] [0024] ; figure 1.</td>
<td>1-14</td>
</tr>
<tr>
<td>A</td>
<td>KR 10-0837705 B1 (ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE) 13 June 2008 See abstract; claims 1, 5; figure 3.</td>
<td>1-14</td>
</tr>
<tr>
<td>A</td>
<td>KR 10-0818300 B1 (ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE) 31 March 2008 See abstract, claims 1 5, figure 2</td>
<td>1-14</td>
</tr>
</tbody>
</table>

* Further documents are listed in the continuation of Box C  

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"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
"&" document member of the same patent family

Date of the actual completion of the international search  23 FEBRUARY 2010 (23 02 2010)

Date of mailing of the international search report  23 FEBRUARY 2010 (23.02.2010)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seoona-ro, Seogu, Daejeon 302-701, Republic of Korea

Facsimile No  82-42-472-7140

Authorized officer

Moon, Nam Doo

Telephone No  82-42-481-5751

Form PCT/ISA/210 (second sheet) (My 2009)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos [specific claims] because they relate to subject matter not required to be searched by this Authority, namely...

2. Claims Nos [specific claims] because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically...

3. Claims Nos [specific claims] because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)...

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos...

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims, it is covered by claims Nos...

Remark on Protest:
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.
<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
<tbody>
<tr>
<td>KR 10-0818300 B1</td>
<td>31.03.2008</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>