(54) Title: CONTEXTUAL ROUTING OF DATA ELEMENTS

(57) Abstract: A method for processing data includes receiving a data element in a first processing node, the data element including data, reading a first control word in data element and perform a first processing task with the data with a processing portion of the first processing node, the first processing task associated with the first control word, adding a first sub-header associated with the first processing task to data element, adding metadata associated with the first processing task to the data element, removing the first control word from the data element, determining whether a second processing task should be performed with the data, and adding a second control word to the data element responsive to determining that a second processing task should be performed with the data.
Declarations under Rule 4.17:
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(H))

Published:
— with international search report (Art. 21(3))
— 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))

(88) Date of publication of the international search report:
10 July 2014
### INTERNATIONAL SEARCH REPORT

**International application No.**
PCT/US 13/69429

**A. CLASSIFICATION OF SUBJECT MATTER**

<table>
<thead>
<tr>
<th>IPC(8)</th>
<th>G06F 17/30, 9/46; H04L 29/08 (2014.01)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USPC</td>
<td>707/351, 392; 707/222, 821, E17/01, E17/09; 718/105</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>IPC(8)</th>
<th>G06F 17/30, 9/46; H04L 29/08 (2014.01)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USPC</td>
<td>707/351, 392; 707/222, 821, E17/01, E17/09; 718/105</td>
</tr>
</tbody>
</table>

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>X</td>
<td>US 2002/0133491 A1 (SIM, S., et al.) September 19, 2002; paragraphs [0086], [0087], [0155], [0161], [0171], [0175], [0287].</td>
<td>1-4, 9-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5-8, 13-16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5-8, 13-16, 19, 20</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:
  * "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 another 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
  * "Y" 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
  * "V" 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
  * "X" & document member of the same patent family

Date of the actual completion of the international search
17 April 2014 (17.04.2014)

Date of mailing of the international search report
02 MAY 2014

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: Shane Thomas
PCT Helpdesk: 571-272-4300
PCT/US: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)