DEFINING AND MAPPING APPLICATION INTERFACE SEMANTICS

An example implementation includes a system having one or more processors, a definition module, a data store, and a workflow module. The definition module is executable by the one or more processors to determine a first semantic element for a first operation included in a first application interface representing a first service and a second semantic element for a second operation included in a second application interface representing a second service, such as an enterprise service bus. The definition module may further determine a mapping of the first semantic element with the second semantic element. The data store is configured to store the mapping of the first semantic element with the second semantic element by the definition module. The workflow module is executable by the one or more processors to integrate the first application interface with the second service based on the mapping.
**INTERNATIONAL SEARCH REPORT**

A. **CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - G06F 17/30 (2013.01)

USPC - 707/763

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(8) - G06F 9/46, 17/30 (2013.01)

USPC - 707/763, 769, 770

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - G06F 9/46, 17/30 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Orbit, Google Patents, Google Scholar

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>WO 00/65486 A (LAI et al) 02 November 2000 (02.11.2000) entire document</td>
<td>1-39</td>
</tr>
<tr>
<td>Y</td>
<td>US 2012/0054147 A1 (GOETZ et al) 01 March 2012 (01.03.2012) entire document</td>
<td>2,15, 28</td>
</tr>
<tr>
<td>Y</td>
<td>US 2011/0125776 A1 (ROSHEN et al) 26 May 2011 (26.05.2011) entire document</td>
<td>5, 6, 8, 9, 18, 19, 21, 22, 31, 32, 34, 35</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

- "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

16 December 2013

Date of mailing of the international search report

20 DEC 2013

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:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774