Receive a request to delegate a service application

Yes

Execute service application on the only available processor

Select an optimal processor from projected energy consumption

Delegate the service application to the optimal

Is Service Available on Multiple Processors?

No

[Continued on next page]
Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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.

(S88) Date of publication of the international search report:
3 August 2006
## INTERNATIONAL SEARCH REPORT

### A. CLASSIFICATION OF SUBJECT MATTER

**IPC(8) -** G06F 9/30 (2006.01)

**USPC -** 712/203

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. | 365/154,220,222; 370/395,522; 710/22,23,24,26; 711/104,111,112,155; 712/12,32,33,34,35,43,203,208,215; |

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

NONE

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

PUBWEST—PGPB, USPT, EPAB and JPAB—searched

service application, delegate, application, loading condition, optimal, processor, hypercube, energy efficient

### 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 8,279,088 B1 (ELLIOTT et al.) 21 August 2001 (21.08.2001), see entire document.</td>
<td>1-9</td>
</tr>
</tbody>
</table>

*Special categories of cited documents:

- "X" 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

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**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

25 March 2006 (25.03.2006)

Date of mailing of the international search report

01 JUN 2006

Name and mailing address of the ISA/US

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