Title: SENDING PROGRESS INFORMATION OF OTHER USERS FOR TRANSMITTED SHARED CONTENT

Abstract: Participants are notified of the loading progress or consumption of shared content by other participants. Participants generate progress information that is broadcast or sent to other participants. Progress information may be reported according to a designated time frequency and/or progress frequency. Connections established early in the loading process between the participants convey progress information to each participant. Depending on network topology, progress information may be sent via a server or peer to peer. By communicating the expected waiting time or completion time for other users, participation by a specific user in the multi-user application may increase accordingly.
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.

(88) Date of publication of the international search report:
4 May 2006
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : G06F 13/00
   US CL : 710/108
   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. : 710/108, 709/224,709/227

   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>US2002/0138624 (Esenhof et al ,26 September 2002, pages 1 - 7)</td>
<td>1 - 30</td>
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<td>Y</td>
<td>US 6038588, Nagarajayya et al , 14 March 2000, pages 1 - 7</td>
<td>3,19</td>
</tr>
<tr>
<td>Y</td>
<td>US 5978832, Sirkin, 2 November 1999, pages 1 - 5</td>
<td>15</td>
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</table>

☐ Further documents are listed in the continuation of Box C.  ☑ See patent family annex.

* Special categories of cited documents:
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06 February 2006 (06.02.2006)

Date of mailing of the international search report
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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
Rehana Perveen
Telephone No. 571 272 2100

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