Title: AUTHENTICATING A LOGIN

Abstract: Techniques for authenticating a login that avoid the imposition of memorization burdens on users of a computer system. The present techniques include determining whether an appropriate token is stored on a client system that originates the login, authenticating a login by communicating with a user via a secondary communication channel, and authenticating a login by engaging in a private question/private answer dialogue with a user.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC:  
- **G06F** 7/04(2006.01), 7/50(2006.01), 15/16(2006.01), 17/30(2006.01); **G06K** 9/00(2006.01), 19/00(2006.01); **H04L** 9/32(2006.01)

USPC: 726/5

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.: 726/5

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 2005/018551 A1 (TOOMEY) 19 May 2005 (19.05.2005), [0023]-[0024].</td>
<td>1-16</td>
</tr>
<tr>
<td>P</td>
<td>US 2006/0095779 A9 (BHAT et al) 4 May 2006 (04.05.2006), [0025]-[0035].</td>
<td>1-16</td>
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<tr>
<td>A</td>
<td>US 2001/0037469 A1 (GUPTA et al) 1 November, 2001 (01.11.2001), [0041]-[0042].</td>
<td>1-16</td>
</tr>
</tbody>
</table>

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

* Special categories of cited documents:
  - "A" document defining the general state of the art which is not considered to be of particular relevance
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  - "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
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Date of the actual completion of the international search: 18 January 2007 (18.01.2007)

Date of mailing of the international search report: 02 MAR 2007

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