The present invention presents techniques for transmitting application specific instruction between a host and a memory card. The commands for the application specific protocol are embedded along with a signature in the data portion of a transmission protocol that is used to communicate between the host the memory card. This allows for the transmission of application specific commands that lack a corresponding command in the transmission protocol to still be transmitted in that protocol. The method can be implemented on the host side either at the device driver level or the file level. In order to implement a read command in the application specific protocol, a write command in the first protocol with an embedded read command is first sent to a logical address, followed by a second read command to the same logical address.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

According to International Patent Classification (IPC) or to both national classification and IPC:

INV. G06F3/06 G06F13/38

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols):

G06F

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 practical, search terms used):

EPO-Internal, WPI Data, COMPENDEX, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
</thead>
</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

**1E** earlier document 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

*1* document member of the same patent family

Date of the actual completion of the international search: 31 August 2007

Date of mailing of the international search report: 17/09/2007

Name and mailing address of the ISA:

European Patent Office, P B 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-0340, Tx 31 651 epo nl Fax (+31-70) 340-3016

Authorized officer: ANDLAUER, J
<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></td>
<td>6 March 2001 (2001-03-06), pages 1-17,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>XP002446445</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Retrieved from the Internet:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>URL: <a href="http://tl3.org/Documents/UploadedDocuments/technical/e01121r0.pdf%3E">http://tl3.org/Documents/UploadedDocuments/technical/e01121r0.pdf&gt;</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>[retrieved on 2007-08-10]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the whole document</td>
<td></td>
</tr>
</tbody>
</table>
Continuation of Box II.2

Claims Nos.: -

The filed set of claims contains two claims numbered 52, and a claim numbered 53 that refers to claim 52. The second claim numbered 52 has been renumbered 97. Claim 53 has been interpreted as referring to the first claim numbered 52.
### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
   because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.:
   because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
   
   see FURTHER INFORMATION sheet PCT/ISA/210

3. ☐ Claims Nos.:
   because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest
☐ The additional search fees were accompanied by the applicant’s protest.
☐ No protest accompanied the payment of additional search fees.
### INTERNATIONAL SEARCH REPORT

**Information on patent family members**

<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
<tbody>
<tr>
<td>US 2005086421 A1</td>
<td>21-04-2005</td>
<td>CN 1658174 A</td>
<td>24-08-2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 2005122725 A</td>
<td>12-05-2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CN 1685328 A</td>
<td>19-10-2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EP 1543429 A2</td>
<td>22-06-2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 2006501572 T</td>
<td>12-01-2006</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KR 20050046799 A</td>
<td>18-05-2005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WO 2004031935 A2</td>
<td>15-04-2004</td>
</tr>
</tbody>
</table>

Form PCT/ISA/210 (patent family annex) (April 2005)