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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.

(54) Title: AN APPLICATION PROGRAMMING INTERFACE LAYER FOR A DEVICE CROSS-REFERENCE TO RELATED APPLICATIONS

(57) Abstract: An application programming interface layer for devices (145), such as handheld computers, personal digital assistants (PDAs), Internet enabled phones, laptops, and desktop computers or the like, that provides device independence so applications may run on any of such devices without specific programming for device specific dependencies. Such devices can run business applications offline (135) and synchronize data with a computer system, such as a business electronic commerce system (190) via a standard Internet connection or other network connection. Further, such devices permit the automatic installation and/or deinstallation of applications on the devices from the computer system.
INTERNATIONAL SEARCH REPORT

INTERNATIONAL APPLICATION NO.
PCT/US2002/17949

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : G06F 9/46;G06F 15/173;G06F 9/445
US CL. : 709/203;709/223;709/25
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. : 709/203;709/223;709/25

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>
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<td>Y,P</td>
<td>US 6,430,599 B1 (BAKER et al) 06 August 2002 (06.08.2002), the whole document</td>
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<tr>
<td>Y,P</td>
<td>US 6,366,876 B1 (LOO'VEY) 02 April 2002 (02.04.2002), the whole document</td>
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□ Further documents are listed in the continuation of Box C. □ See patent family annex.

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Date of the actual completion of the international search
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