Title: MECHANISM TO ENABLE PLUG AND PLAY HARDWARE COMPONENTS FOR SEMI-AUTOMATIC SOFTWARE MIGRATION

Abstract: A method and device for dealing with problem of software-incompatibility or obsolescence of hardware. The method includes copying of information regarding architecture and other features from hardware components, conversion of existing hardware-specific software to suit architecture of new hardware component and transmittal of adapted software to new hardware. The method and device provide for enabling semi-automatic migration of hardware-specific software between hardware components such as computer processors. This process of software migration, in turn, provides for effective transfer of functionality from one hardware component to the other. This novel process can be used for migration of software from one processor to the other.
— as to the identity of the inventor (Rule 4.17(i))
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
— of inventorship (Rule 4.17(iv))

Published:
— with international search report (Art. 21(3))

(88) Date of publication of the international search report: 30 December 2009
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT Matter
IPC(B) - GO6F 9/445 (2009.01)
USPC - 717/175
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)
USPC: 717/175

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 717/100, 104, 105, 108-177, 709/203, 220, 223, 224 keyword limited - see search terms

Electronic database consulted during the international search (name of database and, where practicable, search terms used)
PubWest (PGPB, USPT, USOC, EPAB, JPAB), Google Scholar, Google Patent
Search terms: microprocessor, processor, hardware, translation, migration, conversion, porting, software, instruction, set, program, code, tool, device, unit, new, different, second, replicate, copy, connect, dependent, automatic, semiautomatic, plug and play

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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<tbody>
<tr>
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<td>1-9</td>
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<tr>
<td>Y</td>
<td>US 5,619,067 A (LYNCH) 06 October 1998 (06.10.1998), col 9, In 35-46</td>
<td>1-9</td>
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<td>A</td>
<td>US 6,021,484 A (PARK) 01 February 2000 (01.02.2000), entire document</td>
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☐ Further documents are listed in the continuation of Box C.

☐ Special categories of cited documents:
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"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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"&" document member of the same patent family

Date of the actual completion of the international search
20 June 2009 (20.06.2009)

Date of mailing of the international search report
29 JUN 2009

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Form PCT/ISA/210 (second sheet) (April 2007)