(54) Title: EVALUATION OF A TEMPORAL DESCRIPTION WITHIN A GENERAL PURPOSE PROGRAMMING LANGUAGE

FIG. 1

(57) Abstract: A translation module (102) translates a temporal description into a temporal expression. The translation module is adapted to translate a temporal description in the form of an extended syntax or a preprocessing macro (104) to the temporal expression. The temporal expression includes a native expression of a general purpose programming language. The temporal expression may also include one or more construct functions. A parsing module (106) parses the temporal expression to generate a data structure that represents the temporal expression without evaluating the native expression. An evaluation module (106) evaluates the data structure to execute the temporal expression including the native expression.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC: G06F 9/45(2006.01)

   USPC: 717/143
   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.: 717/143, 141,

   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)
   EAST, ACM Digital Library, Google

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>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search
10 June 2008 (10.06.2008)

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