Title: SOFTWARE ENGINE FOR MULTIPLE, PARALLEL PROCESSING WITH NEURAL NETWORKS

Abstract: The hardware of the present invention must be structured with the Brownian motion equation, Bayes’ equation and its matrices as integral components. All data are input to a common bus bar. All data are then sent to all nodes simultaneously. Each node will have coded gates to admit the proper data to the appropriate matrix and Bayes’ equation. Then, as the data are processed, they will be sent to a central data processing unit that integrates the data in the Brownian motion equation. The output is displayed in linguistic terms or in digital form by means of fuzzy logic.
Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

10 November 2005

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.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : G05B 19/18, 9/02; G06E 1/00, 3/00; G06N 3/02; G06Q 7/00; G06F 15/18
US CL : 700/4, 2, 82, 3
According to International Patent Classification (IPC) or to both national classification and IPC

B. DOCUMENTS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 700/4, 2, 82, 9; 706/15, 26-27

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)
Please See Continuation Sheet

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>A</td>
<td>US 5,454,064 (CASTELAZ) 26 September 1995; entire document</td>
<td>1-21</td>
</tr>
<tr>
<td>A</td>
<td>US 5,768,476 (SUGAYA et al) 16 June 1998; entire document</td>
<td>1-21</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search 14 September 2005 (14.09.2005)

Date of mailing of the international search report 30 SEP 2005

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Form PCT/ISA/210 (second sheet) (April 2005)
Continuation of B. FIELDS SEARCHED Item 3:
USPAT; USOCR; EPO; IPO; DERWENT
search terms: parallel