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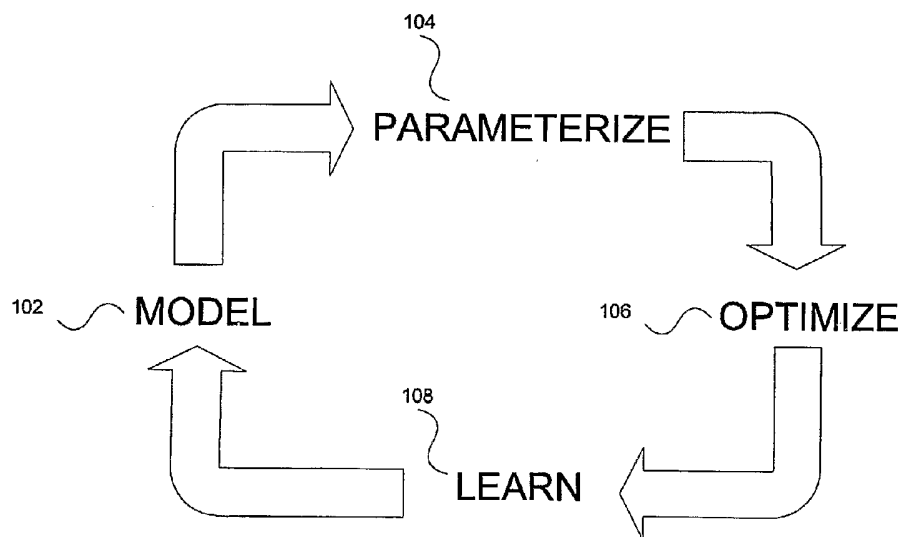
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(54) Title: ARCHITECTURE FOR GENERAL PURPOSE BUSINESS PLANNING OPTIMIZATION SYSTEM AND METHODS THEREFOR



(57) Abstract: A method of optimizing the allocation of a set of resources within a business organization, in a substantially automated manner. The method includes creating a model of a set of products, a set of processes and a set of projects, wherein the business organization comprises the products, the processes and the projects; and creating a set of mathematical relationships between the products, the processes and the projects for a set of time periods. The method also includes determining a first set of parameter values to describe the products and the processes and the projects in the model for the set of time periods; determining a set of substantially optimal allocations of the set of resources using mathematical optimization techniques; and, prioritizing the set of a set of substantially optimal allocations based on a business criteria. And, if required, the method further includes modifying the model with the set of substantially optimal allocations.



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

International application No.

PCT/US04/24846

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 17/60

US CL : 705/8

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. :

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
East; ProQuest; Archive.org; Google.com;

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

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,233,493 B1 (CHERNEFF et al) 15 May 2001 (15.05.2001) see entire document.	1-2, 16, 18-19 and 33
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Y		3-15, 17, 20-32 and 34
Y,P	US 6,684,193 B1 (CHAVEZ et al) 27 January 2004 (27.01.2004) see entire document.	3-15, 17, 20-32 and 34

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

Search: US-PGPUB; USPAT

Search Terms: nanoeconomics, pometrics, nanoplanner, net present value; project product sequencing prioritizing; project portfolio management, resource optimization, project production prioritization, product development; resource optimization; product development; value planning, process