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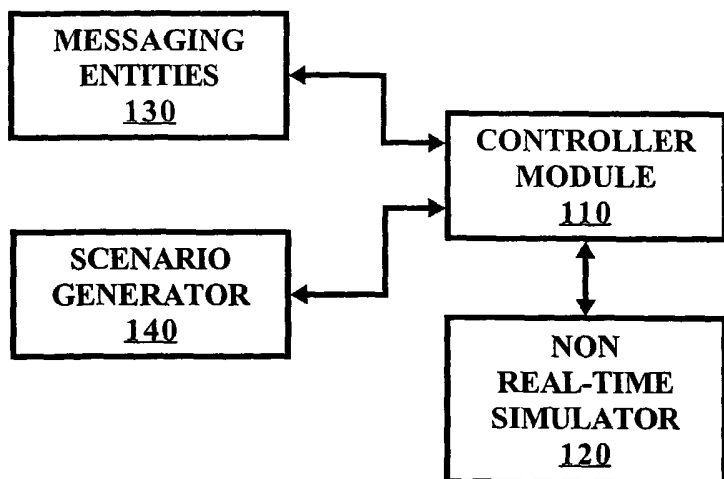
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(54) Title: SYSTEM AND METHOD FOR REAL TIME SIMULATION



(57) Abstract: An embodiment of the invention generally relates to a method of real-time simulation. The method includes providing a continuous real-time clock (110) to a non real-time simulator (120) and synchronizing a simulation clock of the non real-time simulator with the continuous real-time clock on a continuous basis. The method also includes advancing the non real-time simulator to a first time based on the simulation clock reaching the first time.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/09711

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 17/50, 13/10
 US CL : 703/19, 21,16,13

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. : 703/19, 21,16,13

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)

Google, ACM, IEEE, Science Server, East

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y | US 5,701,439A (James et al) 23 December 1997, column 4, lines 15-21, column 5, lines 61-67, Fig. 1 | 1-22 |
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| A | "Wireless Sensor Networks: A New Regime for Time Synchronization", J. Elson et al, ACM SIGCOMM Review, Vol. 33, No. 1, January 2003 | 1-22 |
| A | "Repeatability in Real-time Distributed Simulation Executions", T. McLean et al, IEEE 0-7695-0677-1/00, pp. 23-32, IEEE 2000 | 1-22 |

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

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