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(71) Applicant *(for all designated States except US)*: **THE MATHWORKS, INC.** [US/US]; 3 Apple Hill Drive, Natick, MA 01760 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **PAXSON, Ricardo, E.** [MX/US]; 396 Marlborough St. 5, Boston, MA 02115 (US). **GULLEY, Edward, Whittington** [US/US]; 11 Belknap Terrace, Watertown, MA 02472 (US). **HICKLIN, Jospeph, F.** [US/US]; 62 Hartford Ave. S., Upton, MA 01568 (US).

(74) Agents: **CANNING, Kevin, J.** et al.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).

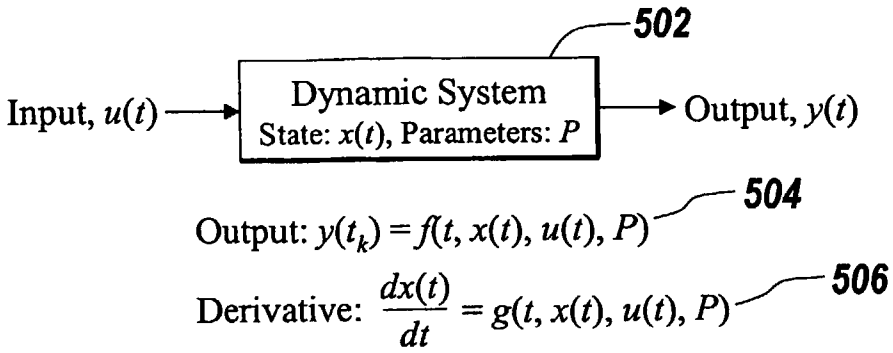
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(54) **Title:** METHOD AND APPARATUS FOR IMPROVED SIMULATION OF CHEMICAL AND BIOCHEMICAL REACTIONS



(57) **Abstract:** An integrated system for modeling, simulating and analyzing chemical and biochemical reactions includes a modeling environment for constructing a model of a chemical or biochemical reaction. The system also includes a simulation engine accepting as input said constructed model of the chemical or biochemical reaction and generating as output an expected result for a first chemical using a first type of computational model and an expected result for a second chemical reaction using a second type of computational model. An analysis environment communicates with the simulation engine and displays the expected result.

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