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(71) Applicant: THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK [US/US]; 116th Street and Broadway, New York, NY 10027-6699 (US).		Published With international search report.	
(72) Inventors: TRAUB, Joseph, F.; Columbia University, Computer Science Dept., New York, NY 10027-6699 (US). PASKOV, Spassimir; Columbia University, Computer Science Dept., New York, NY 10027-6699 (US).			
(74) Agents: TANG, Henry, Y., S. et al.; Brumbaugh, Graves, Donohue & Raymond, 30 Rockefeller Plaza, New York, NY 10112 (US).			

(54) Title: ESTIMATION METHOD AND SYSTEM FOR FINANCIAL SECURITIES TRADING**(57) Abstract**

In setting the initial offering price of a financial instrument for purposes of securities trading, or in later revaluation as economic factors, such as interest rates, may change, an estimate of the value of the instrument may be represented as a multi-dimensional integral. For evaluation of the integral, numerical integration is preferred with the integrand being sampled at deterministic points having a low-discrepancy property. The technique produces approximate values at significant computational savings and with greater reliability as compared with the Monte-Carlo technique (11).

