DISTRIBUTED NETWORK FOR PERFORMING COMPLEX ALGORITHMS

ABSTRACT

The cost of performing sophisticated software-based financial trend and pattern analysis is significantly reduced by distributing the processing power required to carry out the analysis and computational task across a large number of networked individual or cluster of computing nodes. To achieve this, the computational task is divided into a number of sub tasks. Each sub task is then executed on one of a number of processing devices to generate a multitude of solutions. The solutions are subsequently combined to generate a result for the computational task. The individuals controlling the processing devices are compensated for use of their associated processing devices. The algorithms are optionally enabled to evolve over time. Thereafter, one or more of the evolved algorithms is selected in accordance with a predefined condition.

Fig.2