

ABSTRACT OF DISCLOSURE

COMPUTING MULTI-MAGNET BASED DEVICES AND METHODS FOR SOLUTION OF OPTIMIZATION PROBLEMS

A computing multi-magnet device and method for solving complex computational problems is provided. Embodiments include a first magnet, a second magnet, and an interconnect between and interconnecting the first and second magnets, the interconnect configured to allow the first and second magnets to communicate via a voltage or current applied to the first and second magnet and conducted by the interconnect. The scalability of computing multi-magnet device provides solutions to algorithms that have exponentially increasing complexity.

Fig. 1A