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(57) Abstract :
METHOD FOR IMPLEMENTING SELF-OPTIMIZING BLOCKCHAIN ARCHITECTURE FOR SCALABLE DATA STORAGE AND RETRIEVAL ABSTRACT
The invention presents a system (100) for deploying a self-optimizing blockchain architecture. The system includes a blockchain network (108) comprising multiple nodes, establishing a decentralized foundation. Integral to this architecture is a dynamic optimization module (110) denoted as 110, designed to dynamically adjust parameters pertaining to data storage and retrieval based on real-time network conditions. Additionally, the system comprises a smart contract layer (112) identified by reference numeral 112, enabling effective communication and coordination among nodes for seamless execution of self-optimization processes. The combination of the blockchain network (108), dynamic optimization module (110), and smart contract layer (112) creates a self-adapting and efficient blockchain system, providing scalability and responsiveness in real-time operational scenarios.

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