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(57) Abstract :

The present invention discloses a blockchain-integrated voting system comprising a voter module (102), interface (104), ledger (106), and verification module (108). The system securely authenticates voters, encrypts and logs votes in an immutable blockchain, and delivers real-time acknowledgment of vote inclusion. The invention enhances transparency, prevents fraud, and enables auditability while ensuring voter anonymity. Its decentralized structure ensures resilience, scalability, and integrity, making it suitable for institutional and national-level elections with high user trust.

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