

(54) Title of the invention : BLOCKCHAIN BASED AUTOMATED AUDITING SYSTEM FOR DATA INTEGRITY AND VERIFICATION

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(57) Abstract :
 The present disclosure relates to a blockchain based automated auditing system (100) for data integrity and verification. It also includes a method (200) to describe the automated auditing system for data integrity and verification. It includes one or more blockchain nodes (102) configured with a processing unit (108) and a verifying module (106). The verifying module (106) generates one or more blocks with a transaction identifier, and user input. The processing unit (108) receives the one or more blocks with the transaction identifier, the user input and generates a signature using one or more primary techniques. Additionally, the processing unit (108) stores the user input with the signature, the transaction identifier, and the corresponding time stamps using one or more secondary techniques in the form of encoded data in the file. Moreover, the processing unit (108) updates the encoded data in the file on a server (110) for retrieval.

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