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(57) Abstract :

The present disclosure relates to system (100) and method (300) to secure online file sharing. The system includes a processor (102) configured to share one or more files from one or more users (114) using one or more computing devices (112) and encrypts shared files using one or more end-to-end encryption algorithms. Additionally, processor (102) authenticates identity of one or more users (114) using a user authentication technique to verify their identity, apply one or more access control mechanisms to enable one or more users (114) to define permissions and restrictions on shared files, implement a secure key exchange technique to exchange one or more encryption keys between one or more users (114) and verify integrity of shared files to detect tampering and unauthorized data breach. The processor (102) sends notifications to one or more users (114) through one or more computing devices (112) on detection of tampering and unauthorized data breach.

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