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(57) Abstract :

The present invention discloses a fingerprint-protected external storage device (100) equipped with a biometric scanner (101), secure embedded controller (102), and self-wipe logic (104). The device restricts data access to authorized users and activates an autonomous data erase protocol (106) upon multiple failed authentication attempts or tamper detection via unit (103). It features onboard NAND flash memory (105) and a secure event log (107), offering enhanced protection against unauthorized access, theft, or physical intrusion without reliance on external software or internet connectivity.

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