

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511063392 A

(19) INDIA

(22) Date of filing of Application :03/07/2025

(43) Publication Date : 18/07/2025

(54) Title of the invention : A SMART FLASH DRIVE DEVICE WITH VERSION CONTROL FOR SOURCE CODE STORAGE

(51) International classification :G06F0008710000, G06F0021570000, G05B0015020000, H04L0009400000, G06F0021310000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present invention discloses a smart flash drive device (100) with integrated microcontroller (101), embedded memory (102), and a version tracking module (105) for source code storage. It enables local version control, commit tagging, rollback operations, and secure access via a compact interface (103). The device (100) functions independently or with a host (110), facilitating efficient and secure code management in offline and confidential environments. The system also includes an optional encryption module (109) and authentication chip (108) for enhanced security.

No. of Pages : 14 No. of Claims : 5