



Patented SSD Erasure Method: Features & Benefits

Patent No: 9286231

Features

SSD-Specific Process: A multi-phase, proprietary SSD erasure approach that utilizes all supported SSD security protocols.

Programmatic Process: Automates entire process to ensure all steps are performed and completed in proper order.

Universally Suitable: Ensures all SSDs are securely erased regardless of make or model.

Innovative Method: Includes multiple random overwrites, firmware level erasure, freeze lock removal and full verification.

Multiple Random Overwrites:

- Process uses truly random / uncompressible data, not merely a repeating bit pattern.
- Double pass ensures data is written across the full logical capacity of the SSD (and not just compressed).

Firmware Level Erasure: Leverages essential internal erasure commands to secure SSDs.

Full Verification:

- Ensures operational validity of the drive.
- Detects any anomalies in the erasure process.

Wide Interface Support: The patented SSD erasure process is interface agnostic, covering all common SSD interfaces (including SATA and SAS).

Delivery Mechanisms: Available as stand-alone software (Blanco Drive Eraser) or installed on hardware (e.g., Blanco E800).

Benefits

Risk Reduction: Complete erasure of SSDs ensures sensitive data are not accidentally exposed.

Cost Reduction: Minimal training, manpower or effort required to ensure same level of permanent data erasure as HDDs.

Flexibility: Allows organizations to use single approach across all storage devices.

Complete Erasure: Ensuring data protection and making for a most cost-effective and eco-friendly result.

Comprehensive Approach:

- Prevents any compression or deduplication mechanism being applied by SSD controller.
- Fills the whole logical capacity of the drive with a random data stream.

All-Inclusive: Enables access to key internal SSD security features, which are necessary to ensuring total and immutable erasure.

Reliability: Ensures SSDs are, in fact, completely erased as claimed, eliminating false positives that could result in data exposure.

Compliance: Demonstrates compliance with internal and external auditing requirements.

Universality: Ensures that all SSDs, regardless of design, are erasable using the same approach.

Adaptability: Allows organizations to handle SSDs in the same manner as HDDs, with the desired through-put and configuration.

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