

Abstract of the Disclosure

A system to ensure written data integrity in a data storage device that is operating outside of predefined normal operating conditions is disclosed. The system includes an environmental stress monitoring module operable to identify data storage device operation in an environmental stress condition and a write integrity check module for verifying written data integrity during data storage device operation in the environmental stress condition. The system and method of data protection provides a means of ensuring written data integrity without sacrificing performance during normal drive operational environmental conditions.

FIGURE 3