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CONDUCTIVE SHOCK MOUNT FOR REDUCING ELECTROMAGNETIC INTERFERENCE IN A DISK DRIVE SYSTEM

ABSTRACT

A disk drive system for both providing shock protection to the disk drive (10) and reducing electromagnetic interference. A printed circuit board (12) is provided having a shock sensitive device such as a disk drive (10) and having electronic circuit components, e.g., data handling components capable of operating at a high data rate mounted thereon. The printed circuit board (12) is provided with an electrical ground path and with at least one shock mount point (20). The shock mount point (20) is provided with a conductive pad (30) which is electrically connected to the electrical ground path of the printed circuit board (12). An electrically conductive carrier (13) is provided for supporting the printed circuit board (12). At least one shock mount system is provided for attaching the printed circuit (12) board to the carrier (13). The shock mount system comprises a shock mount gasket coated with an electrically conductive coating for electrically connecting the conductive pad to the carrier.

Fig. 1

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ACTION