

Adaptive Synchronous Rectification of Brushless DC Motor Back-EMF

ABSTRACT

[0036] A disk drive power system (200) is described. The system (200) is operable such that during power interruption, the system (200) taps electric power by rectifying the back-EMF generated across each winding (A, B, C) of a DC motor (216) and supplying power to a voice-coil motor (226) to park a read/write head (18) safely away from an associated magnetic disk surface.

[0037] FIG. 4 for publication.