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ABSTRACT

"Integrated circuit for controlling an information storage disk"

A circuit which energizes a disk drive motor via three branches U, V, W each including 2 switching elements (S1-S6) in series and which energizes an actuator for the displacement of the read-write heads via two branches (P, N) each including 2 switching elements (S7-S10), which circuit comprises isolating devices (S11, S12) to allow energization by the drive motor operating as a generator, for a withdrawal of the heads to a safe position during a supply voltage cut.

One of the isolating devices (S11) is connected between a first supply terminal (A1) and the coupled ends of the branches U and V, the other isolating device (S12) being connected between a second supply terminal (A2) and the coupled ends of the branches W and N. The end of the branch P is connected directly to a third supply terminal (A3). The connection of the other ends of said branches to a reference voltage (10) is achieved via connection terminals (CX1, CX2, CX3) so as to connect the switching elements (S1 to S10) in cascade with one another.

Reference: Figure 2

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