ABSTRACT

ASSISTED LOW VOLTAGE WRITE CIRCUIT

A write circuit (28) in a magnetic disc drive (18) writes data to a magnetic disc (30) based on a write signal received (54). The write circuit includes a magnetic write head (80), an H-switch (78), and a headroom assistance circuit. The headroom assistance circuit includes a voltage divider (R1-R4), a capacitor (88), and a charging circuit (84, 86, 90) for charging and discharging the capacitor based on the write signals so that increased voltage appears across the magnetic recording write head during switching of the current polarity by the H-switch.

Fig. 2.

This Sheet Has Been Replaced

