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(54) Title: ARRANGEMENT COMPRISING A MAGNETIC WRITE HEAD, AND WRITE AMPLIFIER WITH CAPACITIVE CURRENT COMPENSATION

(57) Abstract

A write amplifier (4) comprising four current mirrors (14, 22, 30 and 38) which are turned on two at a time by two switchable floating current sources (46, 48) between the input terminals (16, 40; 24, 32) of the current mirrors in order to produce a write current of alternating polarity through the write head (2). The parasitic capacitances across the write head (2) and/or the parasitic capacitances of the write amplifier (4) at the write terminals (6, 8) are neutralised by means of neutralising capacitors (142, 144, 146, 148). The high impedance at the terminals (6, 8) of the write head (2) enables the common-mode voltage across the write head (2) to be fixed at any desired voltage value by means of a common-mode circuit.

