

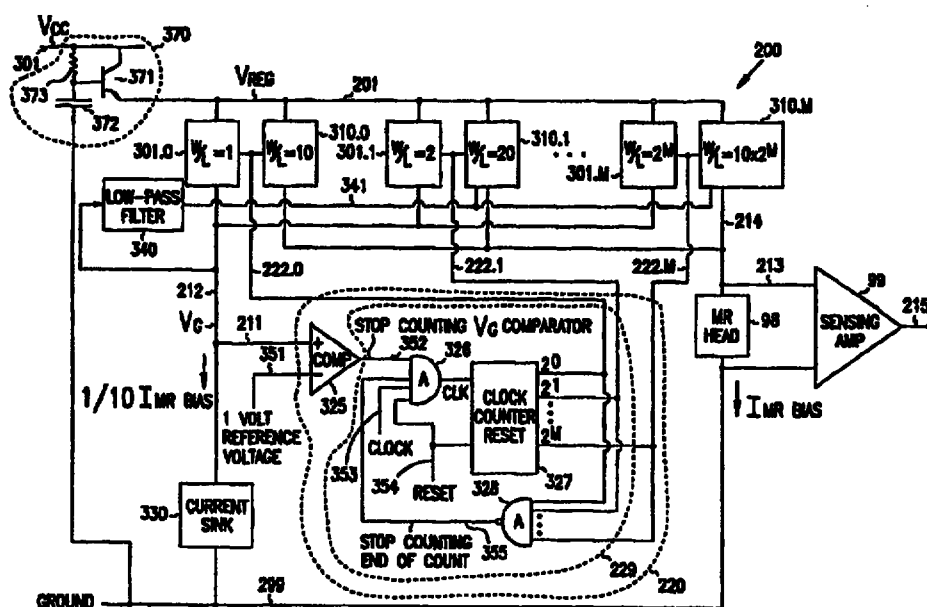
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(54) Title: ADAPTIVE LOW-NOISE CURRENT GENERATOR AND METHOD



(57) Abstract

A method and apparatus for generating low-noise current for a disc-drive head, and in one embodiment, for a magneto-resistive head (98). In one embodiment, an automatic-adjustment circuit (220) selectively disables selected pairs of current-mirror transistors (301.m, 310.m) to achieve a desired minimum effective width-to-length ratio of a field-effect transistor current mirror (210), in order to reduce device noise. In one embodiment, the current provides a constant current to a magneto-resistive head in a magnetic disc drive.