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DIFFERENTIAL SPIN VALVE SENSOR STRUCTURE

ABSTRACT

A spin valve sensor structure for a magnetic read head is provided which employs first and second spin valve sensors (130, 132) separated by an insulative gap layer that produce responses of opposite polarities in reaction to a magnetic field of a single polarity. The opposite polarity responses are fed to a differential amplifier (144) where they are combined for enhanced signal output and common mode noise rejection.

FIG. 6

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