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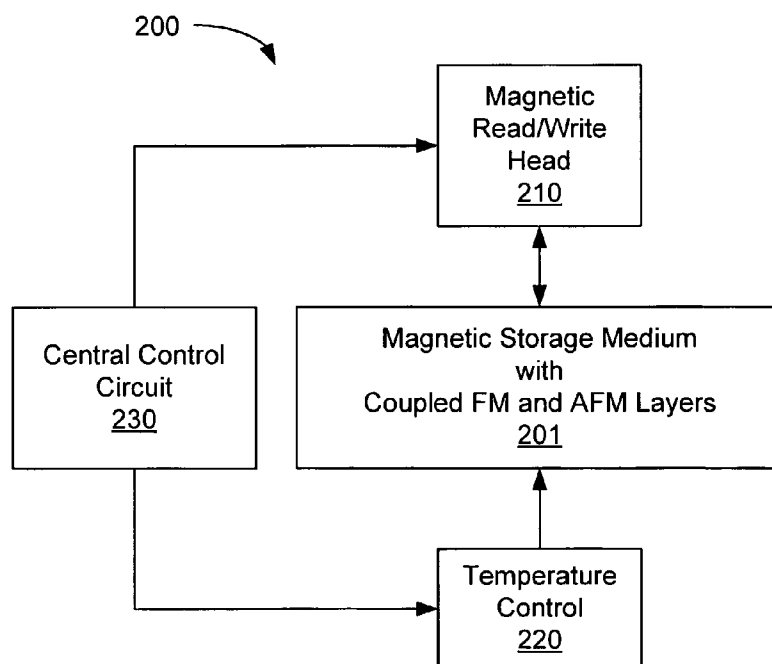
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(57) Abstract: Magnetic materials and methods for using ferromagnetic and antiferromagnetic coupling and exchange bias for binary and multistate magnetic memory device.

WO 2006/017367 A3



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