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ABSTRACT

MAGNETORESISTIVE SENSOR

A magnetoresistive sensor comprising a layered structure having at least one bilayer comprising a first thin film of ferromagnetic material in interfacial contact with a second thin film of nonferromagnetic metallic material, characterised by the bilayer comprising a third thin film of material within said first thin film of ferromagnetic material, said third thin film having a thickness of between a fraction of a monolayer and several monolayers and being located at a predetermined distance x from the interface between said first and said second thin film layers.

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