

Title (en)
MAGNETORESISTIVE LAYER SYSTEM AND SENSOR ELEMENT WITH SAID LAYER SYSTEM

Title (de)
MAGNETORESISTIVES SCHICHTSYSTEM UND SENSORELEMENT MIT DIESEM SCHICHTSYSTEM

Title (fr)
SYSTEME STRATIFIE MAGNETORESISTIF ET ELEMENT DETECTEUR PRESENTANT CE DERNIER

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Abstract (en)
[origin: WO2004055537A1] A magnetoresistive layer system (5) is disclosed, whereby a layer arrangement (15) is provided in an area of a magnetoresistive layer stack (14), working particularly on the basis of the GMR or the AMR effect, which generates a resultant magnetic field which acts on the magnetoresistive layer stack (14). The layer arrangement (15) comprises a first magnetic layer (12) and a second magnetic layer (13), separated from each other by means of a non-magnetic intermediate layer (11) and coupled for ferromagnetic interchange by means of said intermediate layer (11). Furthermore, a sensor element, in particular for the detection of magnetic fields with regards to the strength and direction thereof, comprising such a layer system (5) is disclosed.

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