

Title (en)
MAGNETIC LAYER SYSTEM AND A COMPONENT COMPRISING SUCH A LAYER SYSTEM

Title (de)
MAGNETISCHES SCHICHTSYSTEM SOWIE EIN SOLCHES SCHICHTSYSTEM AUFWEISENDES BAUELEMENT

Title (fr)
SYSTEME MAGNETIQUE STRATIFIE ET COMPOSANT COMPORTANT UN SYSTEME MAGNETIQUE STRATIFIE DE CE TYPE

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Abstract (en)
[origin: WO0225749A2] The invention relates to a method for producing a new generation of giant magnetoresistance (GMR) sensors and tunnel magnetoresistance (TMR) sensors. According to the invention, a thin-film fixing layer is produced, for example, from a *5d* transition metal (W, Rd, Os, Ir, Pt) or from a *4d* transition metal (Pd, Rh, Ru) having a high magnetocrystalline anisotropy. Said thin-film fixing layer fixes the direction of magnetization of the fixed layer (*3d* ferromagnetic transition metals). A moment filter can be constructed with which the effectiveness of GMR and TMR sensors can be increased.

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