

Title (en)

MAGNETO-RESISTIVE LAYER ARRANGEMENT AND GRADIOMETER WITH SAID LAYER ARRANGEMENT

Title (de)

MAGNETORESISTIVE SCHICHTANORDNUNG UND GRADIOMETER MIT EINER DERARTIGEN SCHICHTANORDNUNG

Title (fr)

ENSEMBLE DE COUCHES MAGNETORESISTIF ET GRADIOMETRE COMPORTANT UN ENSEMBLE DE COUCHES DE CE TYPE

Publication

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Application

EP 02742751 A 20020516

Priority

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- DE 10128135 A 20010609

Abstract (en)

[origin: DE10128135A1] Magneto-resistive layer arrangement comprises a layer sequence (16) with a non-magnetic electrically conducting intermediate layer (13) arranged between at least two magnetic layers (12, 12'); and a hard magnetic layer (15) integrated into the layer arrangement. The hard magnetic layer impinges a region of a boundary surface between the magnetic layer and the intermediate layer. Preferred Features: The internal magnetic field produced by the hard magnetic layer can be kept constant with respect to its strength and direction. The hard magnetic layer is made from Fe, Co or Ni and/or NiFe, CoFe, NiCo or Co. The layer arrangement is connected to a Wheatstone bridge.

IPC 1-7

G01R 33/09; **G01R 33/022**

IPC 8 full level

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