

Title (en)

MAGNETIC FIELD SENSOR WITH A BRIDGE ARRANGEMENT OF MAGNETO-RESISTIVE BRIDGING ELEMENTS

Title (de)

MAGNETFELDSSENSOR MIT EINER BRÜCKENSCHALTUNG VON MAGNETORESISTIVEN BRÜCKENELEMENTEN

Title (fr)

DETECTEUR DE CHAMP MAGNETIQUE POURVU D'UN MONTAGE EN PONT CONSTITUE D'ELEMENTS DE PONTAGE MAGNETORESISTIFS

Publication

**EP 0874999 A1 19981104 (DE)**

Application

**EP 96915955 A 19960531**

Priority

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- DE 19520206 A 19950601

Abstract (en)

[origin: DE19520206A1] The invention concerns a sensor with a bridge arrangement (B1) of a plurality of magneto-resistive thin film bridge elements (E1 to E4). All the bridge elements (E1 to E4) are constructed with the same layered structure on a common substrate (13) and display a giant magneto-resistive (GMR) effect. In addition, each bridge element has a bias layer part and a conductive layer (6i) which is provided for guiding a set current (Ie) in order to set in a fixed manner a given orientation direction for the magnetization in the bias layer part.

IPC 1-7

**G01R 33/09**

IPC 8 full level

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CPC (source: EP KR)

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