



G00002

- 37 -



162162

ABSTRACT OF THE DISCLOSURE (FIG. 3)

"MAGNETIC FIELD SENSOR AND
MAGNETIC DISK APPARATUS"

5

A magnetic field sensor has a pair of magnetic shields serving as a negative electrode and a positive electrode, respectively, a magnetoresistive element arranged between the pair of magnetic shields, a
10 nonmagnetic conductive layer for the negative electrode arranged between the magnetic shield for the negative electrode and the magnetoresistive element and including a first metal layer formed in contact with the magnetoresistive element and a second metal
15 layer formed in contact with the first metal layer, and a nonmagnetic conductive layer for the positive electrode arranged between the magnetic shield for the positive electrode and the magnetoresistive element and formed of a first metal layer, the first metal
20 layer containing at least one metal selected from the group consisting of Ta, Ti, Cr, V, Mo and W.