

ABSTRACT OF THE DISCLOSURE (FIG. 6)

5 "MAGNETORESISTANCE EFFECT ELEMENT, MAGNETIC HEAD,
HEAD SUSPENSION ASSEMBLY, MAGNETIC REPRODUCING
APPARATUS, MAGNETORESISTANCE EFFECT ELEMENT
MANUFACTURING METHOD, AND MAGNETORESISTANCE
EFFECT ELEMENT MANUFACTURING APPARATUS"

A CPP (Current Perpendicular-to-the-Plane)
magnetoresistance effect element which causes sensing
10 current to flow perpendicularly to the stacked faces
of a plurality of conductive layers, the CPP
magnetoresistance effect element comprises a composite
layer in which a plurality of regions differing from
one another are formed in a common layer in a mixed
15 manner and which includes a current control region
which is formed narrower than the stacked area of the
composite layer and controls the flow rate of the
sensing current, and an insulating material region
which cuts off the flow of the sensing current.



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