MAGNETORESISTIVE DEVICE INCORPORATING CONDUCTOR GEOMETRY PROVIDING SUBSTANTIALLY UNIFORM CURRENT FLOW FOR IMPROVED MAGNETIC STABILITY

ABSTRACT OF THE DISCLOSURE

A magnetoresistive ("MR") device incorporating an improved conductor geometry to provide enhanced magnetic stability by providing essentially uniform current flow through the device active region in order to effectively obviate the formation of undesired domain walls, particularly during read back operations. A pair of current conductors are provided in electrical contact with the magnetoresistive device and configured to provide current to the magnetoresistive device at an angle of less than 90° to the easy axis.

FIGURE 3B