

TUNNEL VALVE SENSOR AND FLUX GUIDE WITH
IMPROVED FLUX TRANSFER THEREBETWEEN

ABSTRACT

A tunnel valve sensor (200) and flux guide (206) has improved flux transfer therebetween by providing a magnetic oxide insulation layer which is located between and interfaces a back surface (210) of the flux guide (206) and a front surface (208) of the tunnel valve sensor (206). Since this insulation layer has magnetic properties an increased amount of flux is transferred between the flux guide (206) to the tunnel valve sensor for rotating a magnetic moment of a free layer in the tunnel valve sensor.

FIG. 9



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