

**APPARATUS WITH INCREASED MAGNETIC ANISOTROPY AND RELATED
METHOD**

ABSTRACT OF THE DISCLOSURE

An apparatus includes a thermally insulating substrate, an energy absorbing layer on the thermally insulating substrate, and a flash annealed magnetic layer on the energy absorbing layer. The flash annealed magnetic layer may be configured for data storage. A method includes providing a thermally insulating substrate, depositing an energy absorbing layer on the thermally insulating substrate, depositing a magnetic layer on the energy absorbing layer, and flash annealing the magnetic layer.

FIGURE 2