

A METHOD AND APPARATUS FOR PERFORMING SPIN VALVE COMBINED
PINNED LAYER RESET AND HARD BIAS INITIALIZATION AT THE HGA LEVEL

ABSTRACT

The present invention provides a method and apparatus for performing automated spin valve combined pinned layer reset and hard bias initialization at the head gimbal assembly (1210) level. The reset combines a current pulse with an assisting magnetic field. The pinned layer reset and hard bias initialization is automated and performed by a single tool at the head gimbal assembly level to increase manufacturing throughput.

Fig 12a