

DISK DRIVE MAGNETIC ACTUATOR LATCH MECHANISM**ABSTRACT**

A disk drive magnetic actuator latch mechanism for use in hard disk drives. The present invention discloses a latch mechanism which includes a latch lever 304 having a magnetic member attached to or moulded into each end of the lever 304. The lever 304 is pivotally mounted about a pivot pin in the vcm assembly 140. The magnet member located on the latch lever tail is positioned between the vcm magnets 318, 320 when the mechanism is in the latched state. The unlatching force is provided by the presence of the magnetic member in the vcm gap 350, as the attraction of the member in the vcm field resists rotation of the latch lever 304.

Fig. 2

This Sheet Has Been Replaced

