



## OVERMOLDED CRASH STOP FOR A DISC DRIVE



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### Abstract of the Disclosure

An apparatus restricting motion of an actuator assembly to preclude damage to a read/write head or a disc of a disc drive, the apparatus includes a pole piece with a crash stop mounting aperture and an overmolded crash stop communicating with the crash stop mounting aperture. The overmolded crash stop includes a retention channel formed by a top retention portion, a bottom retention portion and a main body portion during a process of molding the overmolded crash stop to the pole piece. The main body portion conforms to the crash stop mounting aperture, thereby precluding motion of the overmolded crash stop relative to the pole piece in a lateral direction, while the top retention portion and the bottom retention portion constrain motion of the overmolded crash stop relative to the pole piece in the vertical direction.

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Figure 5