

VOICE COIL MOTOR DUMMY MAGNET

Abstract of the Disclosure

5 A voice coil motor assembly in a disc drive includes first and second pole pieces held in spaced relationship to one another such that a gap is defined therebetween. A permanent magnet is located on the first pole piece within the gap and a dummy magnet is located on the second pole piece across the gap from the permanent magnet. The first and second pole pieces, together with the magnet and the dummy magnet, form a magnetic circuit conducting lines of magnetic flux within the voice coil motor and across the gap. The dummy magnet acts to encourage
10 magnetic flux to flow across the gap in a manner such that the roll and pitch torque constants of the voice coil motor are reduced.

FIG. 6