

ADHESIVELY ATTACHED HARD DISK HEAD SUSPENSION AND ETCHING PROCESS

ABSTRACT OF THE INVENTION

A head gimbal assembly (10) for disk drives is attached to an actuator arm (27) using an adhesive. An etch pattern (29) is formed in the mount plate of the head gimbal assembly (10), defining a mating surface area (21). An actuator arm (27) is received by the mating surface area (21), the two numbers are suitably aligned, and an adhesive is introduced into the various channels that comprise the etch pattern through an access opening that is located outside of the mating surface area (21). By locating the access opening outside of the mating surface area (21), the adhesive may be introduced after a final alignment is achieved between the head gimbal assemblies (10) and the actuator arms (27). Such manner of attachment may be used with individual actuator arms (27) as well as when connecting head gimbal assemblies (10) to an actuator comb assembly.

Fig.1