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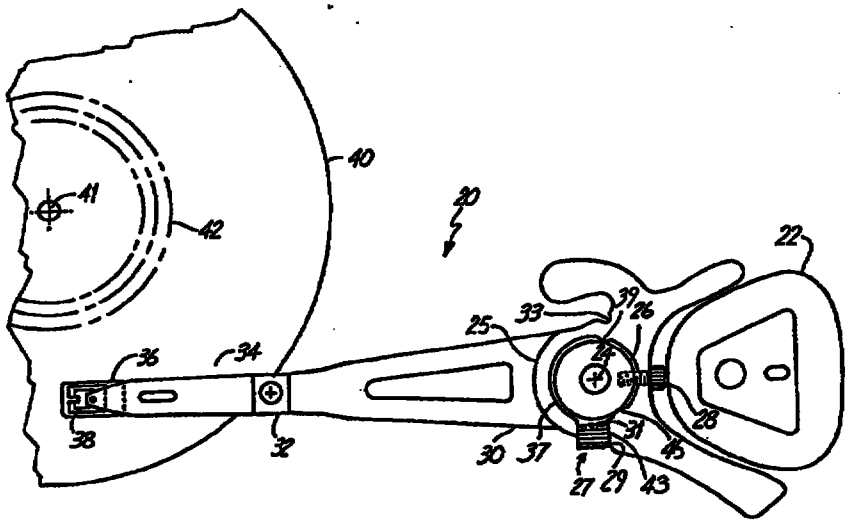
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(54) Title: E–BLOCK HEAD STACK MICROACTUATOR ASSEMBLY



(57) Abstract

A system for positioning a transducing head of a disc drive over a selected track (42) of a rotatable disc (40) includes an actuator assembly (20, 50) having an E–block body (25) including a cavity (37), at least one actuator arm (30) extending from the E–block body (25), a head suspension mechanism (34, 36, 38) including the transducing head connected to an end of the actuator arm (30), and a pivot cartridge (26) in the cavity (37) in the E–block body (25). The E–block body (25) is attached to the pivot cartridge (26) and forms a hinge point (39) between the E–block body (25) and the pivot cartridge (26). A low resolution motor (22) rotates the actuator assembly (20, 50) about an axis (24) to effect coarse positioning of the head with respect to the selected track (42) of the rotatable disc (40). A piezoelectric element (27, 52) in the E–block body (25) is selectively expanded and contracted to distort the E–block body (25) around the hinge point (39) to effect fine positioning of the head with respect to the selected track (42) of the rotatable disc (40).