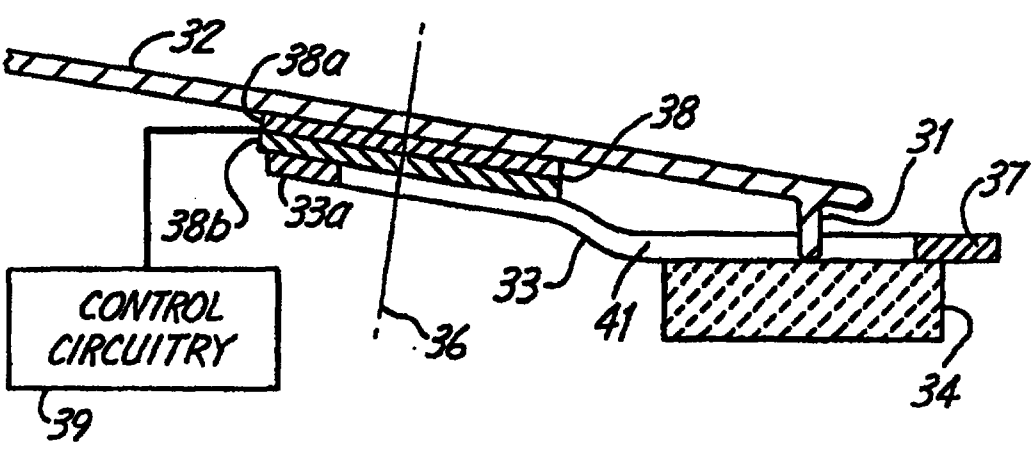


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(21) International Application Number: PCT/US97/07710 (22) International Filing Date: 6 May 1997 (06.05.97) (30) Priority Data: 60/030,276 4 November 1996 (04.11.96) US (71) Applicant (for all designated States except US): SEAGATE TECHNOLOGY, INC. [US/US]; 920 Disc Drive, Scotts Valley, CA 95067-0360 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BOUTAGHOU, Zine-Eddine [US/US]; 307 Lily Pond Lane, Saint-Paul, MN 55127 (US). LIU, Joseph, Cheng-Tsu [US/SI]; P.O. Box 67189, Scotts Valley, CA 95067 (US). (74) Agent: ANGUS, Robert, M.; Kinney & Lange, P.A., Suite 1500, 625 Fourth Avenue South, Minneapolis, MN 55415-1659 (US).		(81) Designated States: DE, GB, JP, KR, SG, US. Published With international search report.
(54) Title: GIMBAL MICROPOSITIONING DEVICE  (57) Abstract A head positioning mechanism in a disc drive system is disclosed. The disc drive system includes a rotatable disc (12), an actuator arm (18), and a suspension load beam (22, 32, 52, 72) connected to the actuator arm (18). The head positioning mechanism includes a motor (38, 58) attached to the suspension load beam (22, 32, 52, 72). A gimbal (23, 33, 53, 73) has a first end attached to the motor (38, 58), and a slider (24, 34, 54, 74) carrying a transducing head (35, 55, 75) is attached to a second end of the gimbal (23, 33, 53, 73). Control circuitry (39, 59, 79) generates electrical control signals to operate the motor (38, 58) to selectively position the transducing head (35, 55, 75) proximate a predetermined radial location on the rotatable disc (12).		