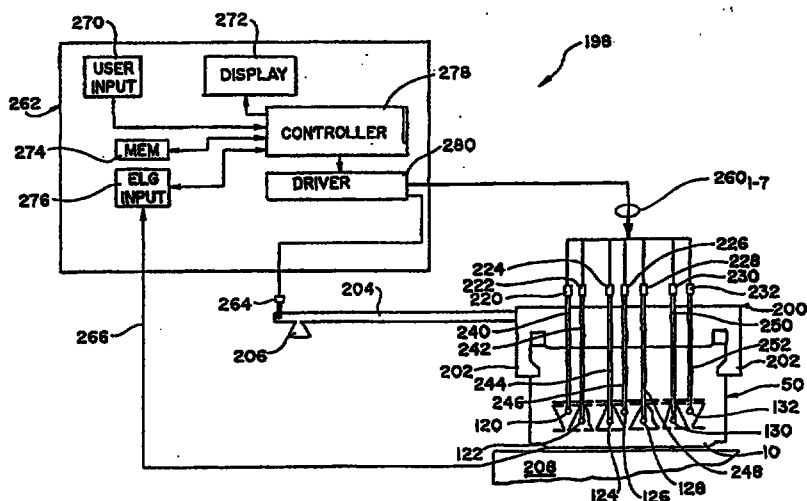




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B24B 49/00, 51/00	A1	(11) International Publication Number: WO 98/19828 (43) International Publication Date: 14 May 1998 (14.05.98)
(21) International Application Number: PCT/US96/20088 (22) International Filing Date: 13 December 1996 (13.12.96) (30) Priority Data: 60/030,277 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 95066 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): HAO, Shanlin, X. [CN/US]; 10506 Audubon Court, Eden Prairie, MN 55347 (US). (74) Agents: CHAMPLIN, Judson, K. et al.; Westman, Champlin & Kelly, P. A., Suite 1600 - International Centre, 900 Second Avenue South, Minneapolis, MN 55402-3319 (US).		(81) Designated States: CN, DE, GB, JP, KR, SG, US. Published With international search report.

(54) Title: MULTI-POINT BENDING OF BARS DURING FABRICATION OF MAGNETIC RECORDING HEADS



(57) Abstract

A device (198) for lapping a bar (10) of the type which carries a plurality of sliders used in magnetic storage systems includes first, second, and third actuators (220, 222, 224) adapted to couple to the bar (10), and impart a first, second, and third controllable force in response to a first, second, and third control signal, respectively. An arm (204) couples to the first, second, and third actuators and applies a lapping force to the bar (10) which presses the bar (10) against a lapping surface (208) thereby causing material to be removed from the bar (10). A controller (262) provides the first, second, and third control signals to the first, second, and third actuators (220, 222, 224), respectively, to impart a plurality of forces onto the bar (10). The actuators (220, 222, 224) are controlled to obtain a desired profile of the bar (10) and to obtain a desired distribution of the lapping force across the profile of the bar (10).