



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G11B 19/00, 19/20, 33/12	A1	(11) International Publication Number: WO 00/65590 (43) International Publication Date: 2 November 2000 (02.11.00)
(21) International Application Number: PCT/US99/31029 (22) International Filing Date: 28 December 1999 (28.12.99) (30) Priority Data: 60/130,295 21 April 1999 (21.04.99) US (71) Applicant: SEAGATE TECHNOLOGY LLC [US/US]; 920 Disc Drive, Scotts Valley, CA 95066 (US). (72) Inventors: THOWE, Merle, Eugene; 1616 Castle Rock Road, Yukon, OH 73099 (US). MCKENZIE, Lealon, Ray; 1820 Sleepy Hollow Road, Edmond, OK 73034 (US). (74) Agents: DARDI, Peter, S.; Westman, Champlin & Kelly, P.A., Suite 1600, International Centre, 900 Second Avenue South, Minneapolis, MN 55402-3319 (US) et al.		(81) Designated States: CN, DE, GB, JP, KR, SG. Published <i>With international search report.</i>
(54) Title: DUAL MODE DISC DRIVE AND METHOD (57) Abstract Disc drives (106) have a data storage disc (212), a motor (216) for rotating the data storage disc and a servo controller (206). The disc drive (106) includes a power source evaluator (210) that evaluates an electrical property for evaluating whether a battery power source (108) or a line power source (122) is supplying power to operate the disc drive. The servo controller (206) receives a signal from the power source evaluator (210) and provides a different instruction regarding the spin angular velocity depending on the evaluation regarding the power source. In accordance with one embodiment of the invention, a method (300) for operating a disc drive is provided in which the availability of line power to a power source is evaluated (304). Subsequently, the angular velocity of the rotating disc (212) is adjusted (306) based on the evaluation of the availability of line power to the power source.		