

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 October 2002 (03.10.2002)

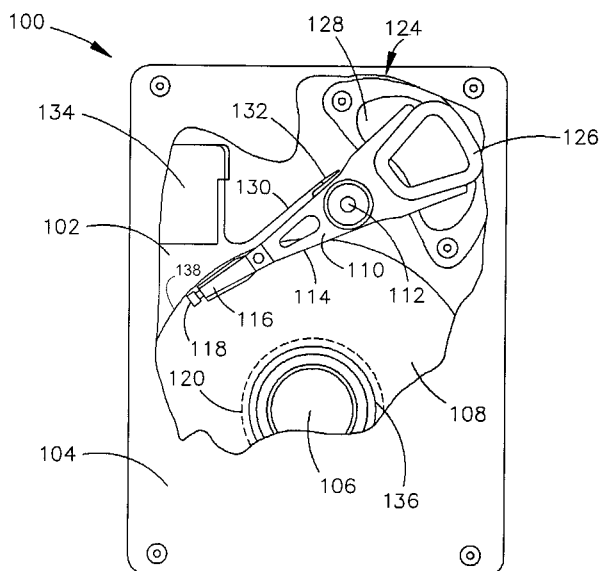
PCT

(10) International Publication Number
WO 02/077992 A1

- (51) International Patent Classification⁷: **G11B 19/20**, 5/54, 21/08 (72) Inventor: **SERGE, J., Fayeulle**; 7173 Gold Nugget Drive, Longmont, CO 80503 (US).
- (21) International Application Number: PCT/US01/32421 (74) Agent: **CESARI, Kirk, A.**; Seagate Technology LLC, 1280 Disc Drive, Shakopee, MN 55379 (US).
- (22) International Filing Date: 17 October 2001 (17.10.2001)
- (25) Filing Language: English (81) Designated States (*national*): CN, DE, GB, JP, KR, SG.
- (26) Publication Language: English Published:
— with international search report
— with amended claims
- (30) Priority Data: 60/277,763 21 March 2001 (21.03.2001) US
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MULTI-PHASE ACCELERATION OF A DATA STORAGE DISC



(57) Abstract: A disc drive having a multi-phase acceleration procedure is disclosed. The multi-phase acceleration procedure accelerates a data storage disc in the disc drive from an initial rotational velocity to a final rotational velocity. As the disc reaches the final rotational velocity, a read/write head operable to access data on the disc is moved by a servo control system from a landing zone to a data region on the disc. An air bearing between a slider of the read/write head and the surface of the disc is created due to the final rotational velocity of the spinning disc. The read/write head may also be moved from the landing zone as the disc reaches an early exit rotational velocity. As such, the multi-phase acceleration procedure continues accelerating the disc until the final rotational velocity to guarantee that the air bearing is maintained between the head and the disc.



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