

A1

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



G00002



(43) International Publication Date
27 June 2002 (27.06.2002)

PCT

(10) International Publication Number
WO 02/50819 A1

(51) International Patent Classification⁷: **G11B 5/54**, 21/21

Toh Yi Drive, #11-225, Singapore 590005 (SG). **CHENG, Chor, Shan**; Blk 343, Blk 343, Yishun Avenue, #12-131, Singapore 760343 (SG).

(21) International Application Number: PCT/US01/31050

(22) International Filing Date:
28 September 2001 (28.09.2001)

(74) Agent: **BERGER, Derek, J.**; Seagate Technology LLC, Intellectual Property - COL2LGL, 389 Disc Drive, Longmont, CO 80503 (US).

(25) Filing Language: English

(81) Designated States (national): CN, DE, GB, JP, KR, SG.

(26) Publication Language: English

Published:

(30) Priority Data:
60/257,059 20 December 2000 (20.12.2000) US

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(71) Applicant: **SEAGATE TECHNOLOGY LLC** [US/US];
920 Disc Drive, Building 15, Scotts Valley, CA 95066 (US).

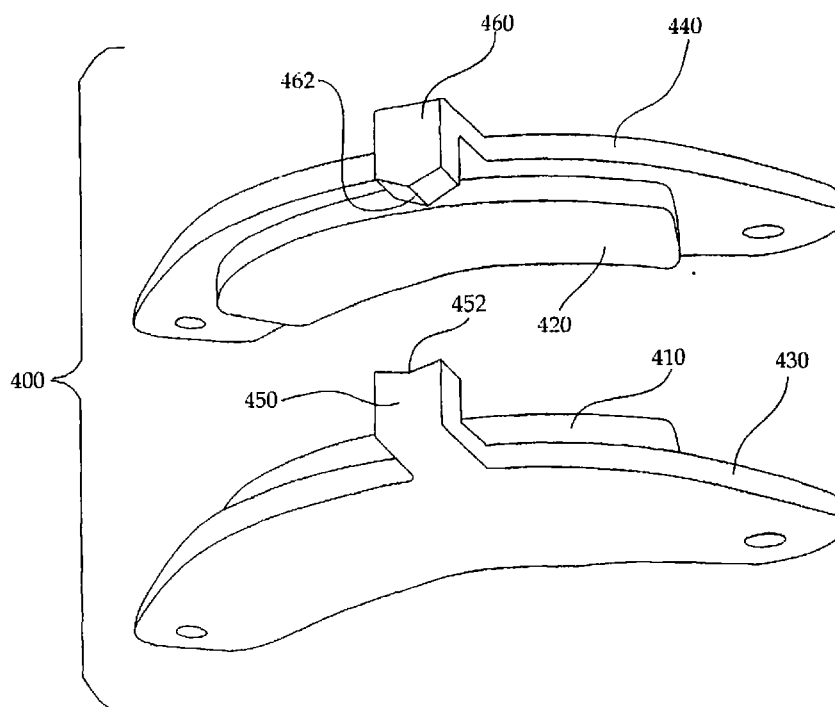
(72) Inventors: **HONG, Yiren**; Blk 942, Tampines Avenue 5, #06-237, Singapore 520942 (SG). **OOI, Tak, Koon**; Blk 5,

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.



162162

(54) Title: SELF-POSITIONING MAGNETIC LATCH



WO 02/50819 A1

(57) Abstract: Disclosed is a magnetic latch for a disc drive. Upper and lower voice coil magnet pole pieces include extensions which bend toward one another, defining a gap therebetween. The gap creates a magnetic field which attracts and holds a disc drive actuator in a park position when the drive is not in use.