

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 January 2002 (10.01.2002)

PCT

(10) International Publication Number
WO 02/003188 A3

(51) International Patent Classification⁷: **G06F 3/06**,
G11B 20/14

(21) International Application Number: PCT/US01/20645

(22) International Filing Date: 28 June 2001 (28.06.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/215,352	30 June 2000 (30.06.2000)	US
60/215,355	30 June 2000 (30.06.2000)	US
60/215,356	30 June 2000 (30.06.2000)	US
60/215,353	30 June 2000 (30.06.2000)	US
60/215,354	30 June 2000 (30.06.2000)	US
60/225,257	15 August 2000 (15.08.2000)	US

BURNS, Kenneth, Ray; 5631 Hyland Greens Drive, Bloomington, MN 55437 (US). **VASILIEV, Peter, Igorevich**; Apartment 204, 202 Calvert Drive, Cupertino, CA 95014 (US). **CHEN, Wuping**; 3145 Loma Verde Drive #15, San Jose, CA 95117 (US). **KAVI, Alptekin**; 222 Columbia Street #102, Santa Cruz, CA 95060 (US). **REININGA, Gary, Wayne**; 18960 Fernbrook Court, Saratoga, CA 95070 (US). **CRONCH, Robert, Douglas**; 2609 Sweetbriar, Edmond, OK (US). **WILLIAMSON, Clifton, James**; 4215 Fairway Drive, Soquel, CA 95073 (US).

(74) Agent: **CESARI, Kirk, A.**; Seagate Technology LLC, 1280 Disc Drive - SHK2LG, Shakopee, MN 55379 (US).

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

Published:

— with international search report

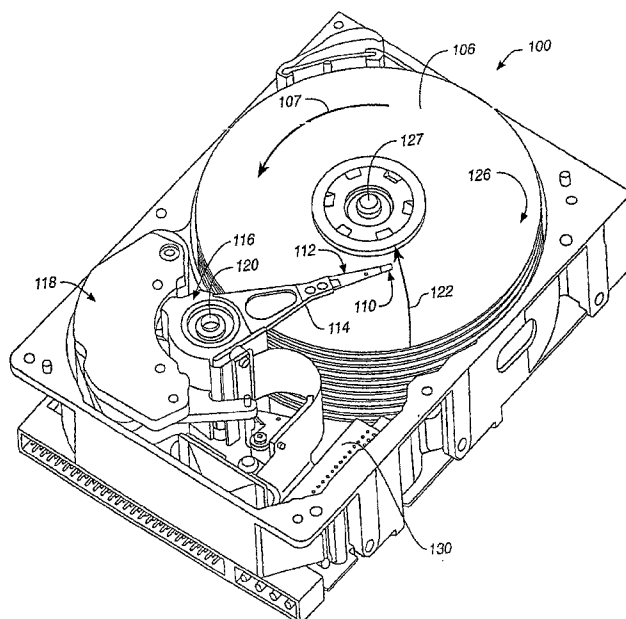
(71) Applicant: **SEAGATE TECHNOLOGY LLC** [US/US];
920 Disc Drive, Scotts Valley, CA 95066 (US).

(88) Date of publication of the international search report:
13 March 2003

(72) Inventors: **MADDALI, Srinivas**; Apartment C, 8 Willis Road, Scotts Valley, CA 95066 (US). **SHAVER, Jimmie, Ray**; 145 East Vail Drive, Yukon, OK 73099 (US). **RUB, Bernardo**; 6608 Scandia Road, Edina, MN 55439 (US).

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: CONFIGURATION OF CHANNEL-TO-CONTROLLER INTERFACE IN A DISC DRIVE



(57) Abstract: Embodiments of the present invention illustrate various configurations of a channel-to-controller interface. In one embodiment, width of symbols crossing the interface is fixed, as is the clock rate. In other embodiments, the symbol width is variable, and the clock rate is also varied based upon the size of the interface symbol width and the operation of the channel.



WO 02/003188 A3