

(19) World Intellectual Property Organization
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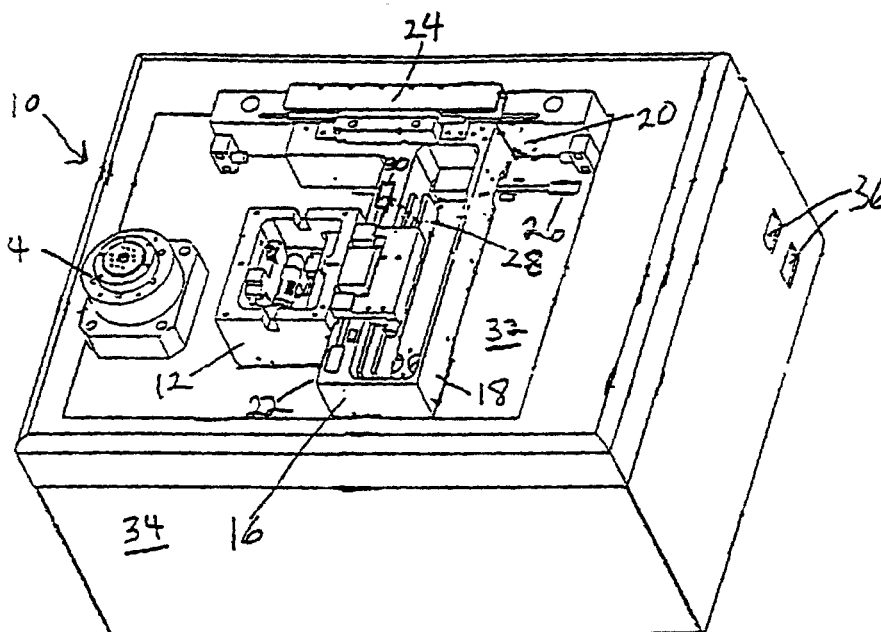
(43) International Publication Date
31 May 2001 (31.05.2001)

PCT

(10) International Publication Number
WO 01/39183 A1

- (51) International Patent Classification⁷: **G11B 5/455** (72) Inventors: **GREENE, Philip, M.**; 6 Isaac Sprague Drive, Hingham, MA 02043 (US). **CUTRUZZULA, Frank**; 7 Lakeview Terrace, #1, Woburn, MA 01801 (US).
- (21) International Application Number: **PCT/US00/32101**
- (22) International Filing Date: 21 November 2000 (21.11.2000) (74) Agent: **PASTERNAK, Sam**; Choate, Hall & Stewart, Exchange Place, 53 State Street, Boston, MA 02109 (US).
- (25) Filing Language: English (81) Designated States (*national*): CN, ID, JP, KR, SG.
- (26) Publication Language: English **Published:**
— 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.
- (30) Priority Data:
09/449,299 24 November 1999 (24.11.1999) US
- (71) Applicant: **DOVER INSTRUMENT CORPORATION** [US/US]; 200 Flanders Road, P.O. Box 200, Westboro, MA 01581 (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: **HIGH STABILITY SPIN STAND PLATFORM**



(57) Abstract: Spin stand platform. The platform includes an air bearing puck forming a micropositioning stage. The puck is constrained for two dimensional motion on a surface. The micropositioning stage supports a read head element under test. At least one actuator moves the puck to a desired location on the surface and apparatus is provided for removing air from the air bearing puck to lock down the puck to the surface at the desired location. It is preferred that the air bearings be vacuum preloaded and that linear motors be used to move the puck.