

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 February 2003 (20.02.2003)

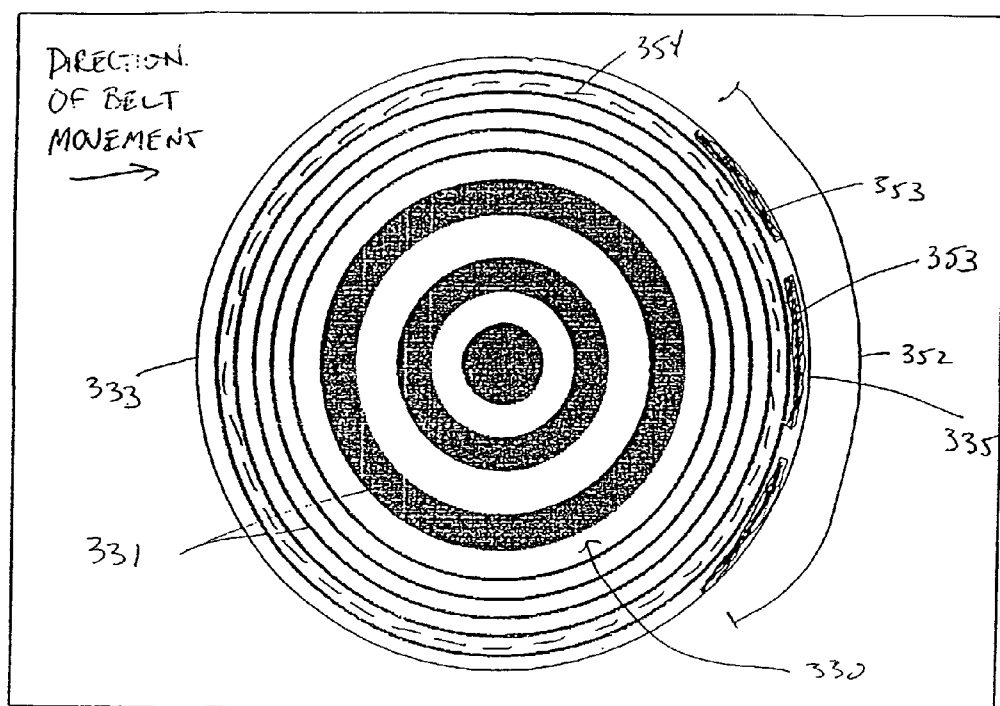
PCT

(10) International Publication Number
WO 03/013788 A1

- (51) International Patent Classification⁷: **B24B 21/06**, 37/04
- (74) Agent: **HEFFNER, Anastasia**; Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610 (US).
- (21) International Application Number: PCT/US02/24272
- (22) International Filing Date: 31 July 2002 (31.07.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/925,254 8 August 2001 (08.08.2001) US
- (71) Applicant: **LAM RESEARCH CORPORATION** [US/US]; 4650 Cushing Parkway, Fremont, CA 94538-6517 (US).
- (72) Inventors: **TAYLOR, Travis, R.**; 39639 Leslie Street, #230-07, Fremont, CA 94538 (US). **XU, Cangshan**; 708 Boar Circle, Fremont, CA 94539 (US). **CROFTON, Kevin, T.**; 6345 Running Springs Road, San Jose, CA 95135 (US). **ZHAO, Eugene, Yuexing**; 1393 Tanaka Drive, San Jose, CA 95131 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: PLATEN ASSEMBLY HAVING A TOPOGRAPHICALLY ALTERED PLATEN SURFACE



(57) Abstract: An apparatus for improving performance of a wafer polishing apparatus (10) is described. The apparatus includes a platen in a support assembly (28) having a plurality of fluid channels (34) and at least one region of altered topography (52) positioned on a portion of the platen (30) surface.



WO 03/013788 A1



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.