

(2005029970)

11 MAY 2005

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

(19) World Intellectual Property
Organization
International Bureau



162162

(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/044651 A1

(51) International Patent Classification⁷: **G03B 27/58**,
27/60, 27/32, B29C 35/08, H01L 21/461

(21) International Application Number:
PCT/US2003/036012

(22) International Filing Date:
12 November 2003 (12.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/293,224 13 November 2002 (13.11.2002) US
10/316,963 11 December 2002 (11.12.2002) US

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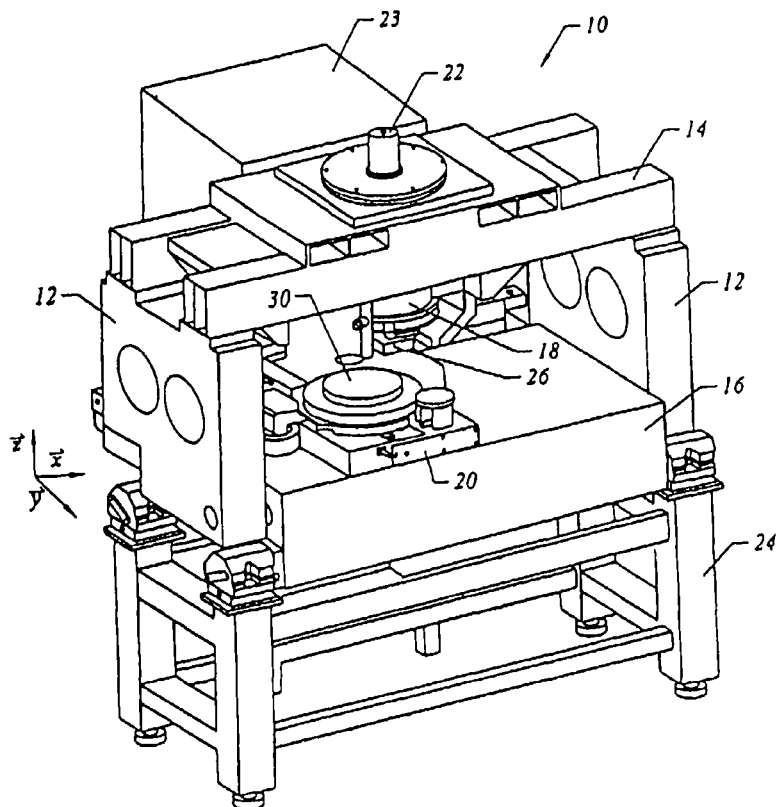
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,

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(54) Title: A CHUCKING SYSTEM AND METHOD FOR MODULATING SHAPES OF SUBSTRATES



(57) Abstract: The present invention is directed to a chucking system (40) and method for modulating shapes of a substrate (26), having first (26b) and second opposed surfaces (26a). This is achieved by creating a pressure differential between differing regions of the first opposed surface to attenuate structural distortions in the second opposed surface that results from external forces bearing on the substrate. To that end, the chucking system includes a chuck body having first and second opposed sides. A side surface extends therebetween. The first side includes first (58) and second (60) spaced-apart support regions. The first support region cinctures the second support region and the first (52) and second (54) recesses. The second support region cinctures the second recess, with a portion of the body in superimposition with the second recess being transparent to radiation having a predetermined wavelength. The second side and the side surface define exterior surfaces.



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LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PI, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, 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, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, 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
- with amended claims and statement

Date of publication of the amended claims and statement:

5 August 2004

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.