

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 September 2004 (02.09.2004)

PCT

(10) International Publication Number
WO 2004/074931 A3

(51) International Patent Classification⁷: **B08B 7/00**,
C25F 1/00

(21) International Application Number:
PCT/US2004/003179

(22) International Filing Date: 4 February 2004 (04.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/371,603 20 February 2003 (20.02.2003) US
10/377,943 28 February 2003 (28.02.2003) US

(71) Applicant: **LAM RESEARCH CORPORATION**
[US/US]; 4650 Cushing Parkway, Fremont, CA 94538
(US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BOYD, John, M.**
[US/US]; 8730 Sierra Vista Road, Atascadero, CA 93422
(US). **RAVKIN, Michael** [US/US]; 1215 W. Knicker-
bocker Drive, Sunnyvale, CA 94087 (US). **REDEKER,**
Fred, C. [US/US]; 1801 Sioux Drive, Fremont, CA
94539 (US). **TREUR, Randolph, E.** [US/US]; 2935
Johnsonm, Avenue, San Luis Obispo, CA 93401 (US).
THIE, William [US/US]; 707 Continental Circle #2221,
Mountain View, CA 94040 (US).

(74) Agent: **GENCARELLA, Michael, L.**; Martine & Penilla,
LLP, 710 Lakeway Drive, Suite 170, Sunnyvale, CA 94085
(US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (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 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

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

(88) Date of publication of the international search report:
27 January 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR MEGASONIC CLEANING OF PATTERNED SUBSTRATES

(57) Abstract: A method for cleaning a semiconductor substrate is provided. The method initiates with generating acoustic energy oriented in a substantially perpendicular direction to a surface of a semiconductor substrate. Then, acoustic energy oriented in a substantially parallel direction to the surface of the semiconductor substrate is generated. Each orientation of the acoustic energy may be simultaneously generated or alternately generated. A system and an apparatus for cleaning a semiconductor substrate are also provided.



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