

RTMP's copy



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B23K 26/12, G03F 7/42	A1	(11) International Publication Number: WO 97/17166 (43) International Publication Date: 15 May 1997 (15.05.97)
(21) International Application Number: PCT/IL96/00138 (22) International Filing Date: 4 November 1996 (04.11.96) (30) Priority Data: 115931 9 November 1995 (09.11.95) IL (71) Applicant (for all designated States except US): ORAMIR SEMICONDUCTOR EQUIPMENT LTD. [IL/IL]; P.O. Box 14, 31000 Haifa (IL). (72) Inventors; and (75) Inventors/Applicants (for US only): LIVSHITS (BUYANER), Boris [IL/IL]; 20/13 Yasmin Street, P.O. Box 6739, 21940 Carmiel (IL). GENUT, Menachem [IL/IL]; 51 Leah Street, 34815 Haifa (IL). TEHAR-ZAHAV, Ofer [IL/IL]; 28 Binyamin Avenue, 42311 Natania (IL). (74) Agents: LUZZATTO, Kfir et al.; Luzzatto & Luzzatto, P.O. Box 5352, 84152 Beer-Sheva (IL).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: LASER STRIPPING IMPROVEMENT BY MODIFIED GAS COMPOSITION		
<pre> graph LR O2 --> B1[1] B1 -- "O2 + O3" --> B3[3] N2O --> B2[2] B2 -- "NxOy" --> B3 B3 -- 5 --> Out5[] B3 -- 4 --> Out4[] </pre>		
(57) Abstract A method and apparatus for accelerating a laser stripping process carried out in a reactive gas mixture, comprising carrying out the stripping process in the presence of an accelerating effective amount of N_xO_y gas.		