

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 June 2002 (06.06.2002)

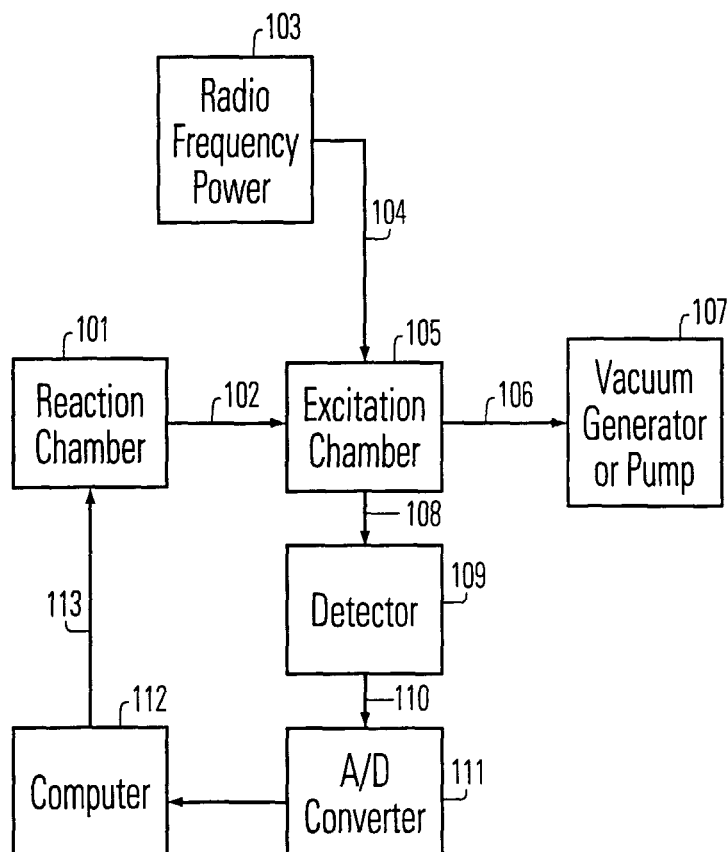
PCT

(10) International Publication Number
WO 02/44687 A2

- (51) International Patent Classification⁷: **G01N** (71) Applicant (for all designated States except US): **LIGHTWIND CORPORATION** [US/US]; One Embarcadero Center, 12th Floor, San Francisco, CA 94111 (US).
- (21) International Application Number: PCT/US01/44585
- (22) International Filing Date: 29 November 2001 (29.11.2001) (72) Inventors; and (75) Inventors/Applicants (for US only): **POWELL, Gary** [US/US]; 1401 Sunset Drive, Petaluma, CA 94952 (US). **HAZARD, Richard, L.** [US/US]; 3237 La Canada, Lafayette, CA 94549 (US).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 09/726,195 29 November 2000 (29.11.2000) US (74) Agent: **BEFFEL, Ernest, J., Jr.**; Haynes, Beffel & Wolfeld LLP, P.O. Box 366, Half Moon Bay, CA 94019 (US).
10/038,090 29 October 2001 (29.10.2001) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications: (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, PL, PT, RO, RU, SD, SE, SG, SI, SK,
- US 09/726,195 (CON)
Filed on 29 November 2000 (29.11.2000)
US 10/038,090 (CON)
Filed on 29 October 2001 (29.10.2001)

[Continued on next page]

(54) Title: METHOD AND DEVICE UTILIZING PLASMA SOURCE FOR REAL-TIME GAS SAMPLING



(57) Abstract: Aspects of the present invention provide novel methods and devices for sampling gas, exciting the sampled gas to emit radiation and detecting in real time from the emitted radiation a plurality of wave bands of an emission spectrum. Energy used to excite the sampled gas may be adjusted based on the detected wave bands. A process may be controlled in real time based on the detected wave bands. Novel interfaces may be used to display portions of the detected wave bands. A known flow of a reference gas may be included in the flow of sampled gases and an unknown flow of an unknown flow gas determined.



SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, 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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

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