



(51) International Patent Classification:

C23C 16/52 (2006.01) G05D 11/13 (2006.01)
C23C 16/455 (2006.01) H01L 21/00 (2006.01)

(21) International Application Number:

PCT/US2012/057799

(22) International Filing Date:

28 September 2012 (28.09.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/252,363 4 October 2011 (04.10.2011) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: METHOD OF AND APPARATUS FOR MULTIPLE CHANNEL FLOW RATIO CONTROLLER SYSTEM

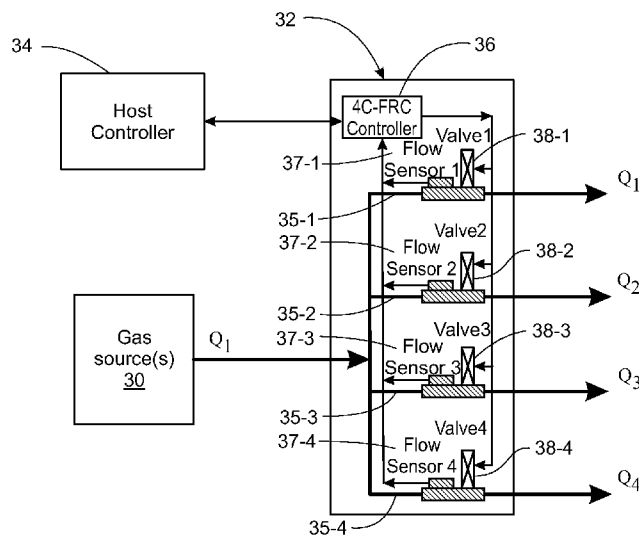


FIG. 3

(57) Abstract: A four channel gas delivery system comprising: an inlet channel; four outlet channels; four flow sensors; four control valves, each valve being arranged so as to control the flow from the inlet channel through a corresponding one of the outlet channels; a flow ratio control system configured so as to control the flow from the inlet channel through the corresponding outlet channels so that the following flow ratios are controlled: (a) a first ratio of flows between the outlet channels of a first pair; (b) a second ratio of flows between the outlet channels of a second pair; and (c) a third ratio of flows between the first pair of outlet channels relative to the second pair of outlet channels; wherein the third ratio is controlled by generating at least one bias signal respectively applied to at least one pair of valves, the bias signal being a function of a predetermined set point of the third ratio and measured values of the third ratio.



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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))* — *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

Published:

- *with international search report (Art. 21(3))*