

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
04 May 2023 (04.05.2023)



(10) International Publication Number
WO 2023/076171 A1

(51) International Patent Classification:
H01L 21/67 (2006.01) *C23C 16/455* (2006.01)

(21) International Application Number:
PCT/US2022/047587

(22) International Filing Date:
24 October 2022 (24.10.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
17/514,430 29 October 2021 (29.10.2021) 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, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,
KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU,
LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG,
NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS,
RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,

(54) Title: MODULAR MULTI-DIRECTIONAL GAS MIXING BLOCK

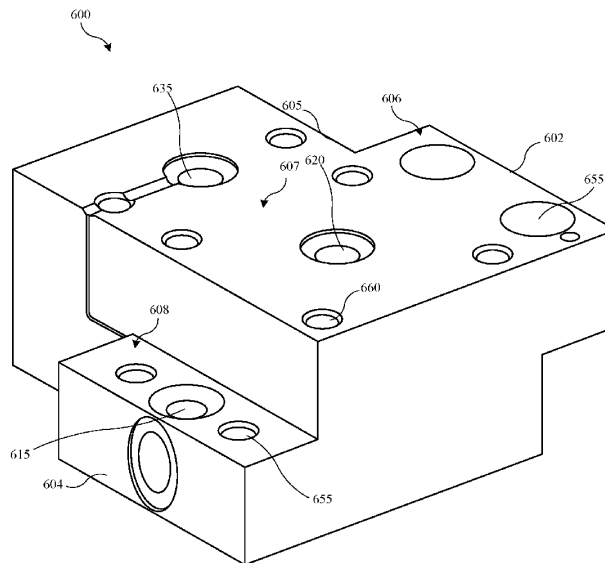


FIG. 6

(57) Abstract: Exemplary modular gas delivery assemblies may include a plurality of modular gas blocks coupled together. Each gas block may include an upper portion and a lower portion. A first end of the upper portion may extend beyond a first end of the lower portion and a second end of the lower portion may extend beyond a second end of the upper portion. A first fluid channel may include a first fluid port, a second fluid port, and a third fluid port. The block body may define a second fluid channel that extends transversely to the first fluid channel. A first modular gas block may be coupled with a second modular gas block and a third modular gas block such that the first fluid channels of each of the first, second, and third modular gas blocks are fluidly coupled with one another.

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WO 2023/076171 A1

TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

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