



(51) International Patent Classification:
B01D 15/08 (2006.01)

(21) International Application Number:
PCT/US2011/026385

(22) International Filing Date:
26 February 2011 (26.02.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/308,499 26 February 2010 (26.02.2010) US

(71) Applicant (for all designated States except US):
PERKIN ELMER HEALTH SCIENCES, INC.
[US/US]; 940 Winter Street, Waltham, MA 02451 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MANNINO, Rosario**
[US/US]; 7 Grandview Terrace, North Haven, CT 06473 (US).

(74) Agent: **RHODES, Christopher**; Woods Rogers PLC, 10 South Jefferson Street, Suite 1400, Roanoke, VA 24011 (US).

(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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

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

(54) Title: JET ASSEMBLY FOR USE IN DETECTORS AND OTHER DEVICES

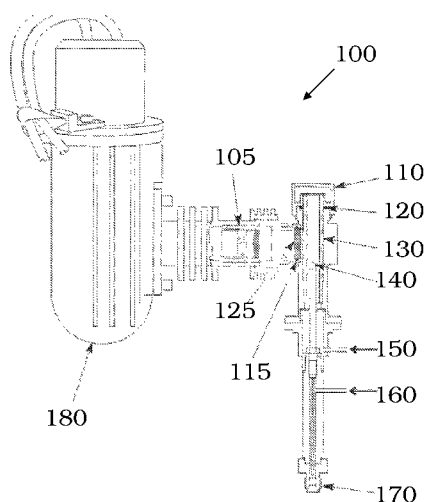


FIG. 1

(57) Abstract: Certain embodiments described herein are directed to jet assemblies that include a substantially inert fluid flow path. In some examples, a jet assembly includes a fluid flow path comprising a substantially inert metal in a fluid flow path. Devices and systems using the jet assembly are also described. In other embodiments, a brazeless or weldless jet assembly is provided. In some embodiments, the brazeless jet assembly may include an inert material or coating, e.g., a silica coating, in a fluid flow path.