



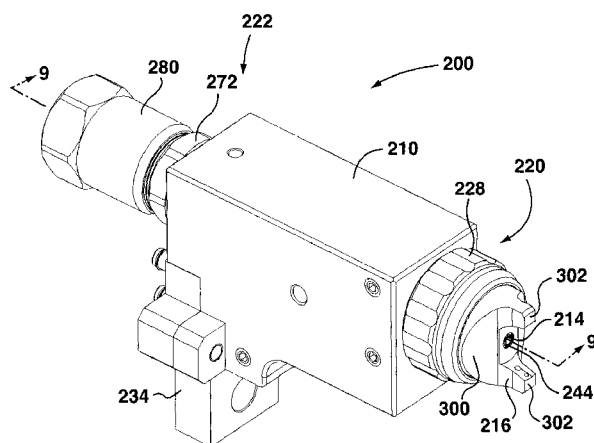
- (51) **International Patent Classification:**
B05B 7/06 (2006.01) *B29C 41/00* (2006.01)
- (21) **International Application Number:**
PCT/CA2012/001007
- (22) **International Filing Date:**
31 October 2012 (31.10.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
13/297,357 16 November 2011 (16.11.2011) US
- (71) **Applicant:** CSL SILICONES INC. [CA/CA]; 144 Woodlawn Road West, Guelph, Ontario N1H 1B5 (CA).
- (72) **Inventors:** HUDA, Faisal; 1276 Kensington Park Road, Oakville, Ontario L6H 2G9 (CA). MCCONNERY, Christopher W.; 27 Pioneer Ridge Drive, Kitchener, Ontario N2P 2L5 (CA). WALKER, Christopher A.; 491 Outrigger Loop, Victoria, British Columbia V9C 4L1 (CA). WOLTER, Michael F.E.; RR #5, 14052 9th Line, Georgetown, Ontario L7G 4S8 (CA).
- (74) **Agent:** BERESKIN & PARR LLP/S.E.N.C.R.L., S.R.L.; 40 King Street West, 40th Floor, Toronto, Ontario M5H 3Y2 (CA).

(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).

Published:

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

(54) **Title:** APPLICATOR FOR SPRAYING ELASTOMERIC MATERIALS**FIG. 7**

(57) **Abstract:** An applicator for spraying an elastomeric material comprises an applicator body having an internal bore and a fluid inlet for receiving a supply of the elastomeric material. A nozzle is coupled to the applicator body and has a discharge end with a spray outlet in fluid communication with the fluid inlet via a fluid passageway. A needle valve is slidably mounted within the internal bore for movement between a closed position for closing the fluid passageway, and an open position for opening the fluid passageway so as to spray the elastomeric material. An air cap is coupled to the applicator body adjacent the nozzle for providing an atomizing airflow and a fan control airflow. The needle valve has a tip portion shaped to extend through the nozzle so as to be substantially flush with the discharge end of the nozzle when the needle valve is in the closed position.