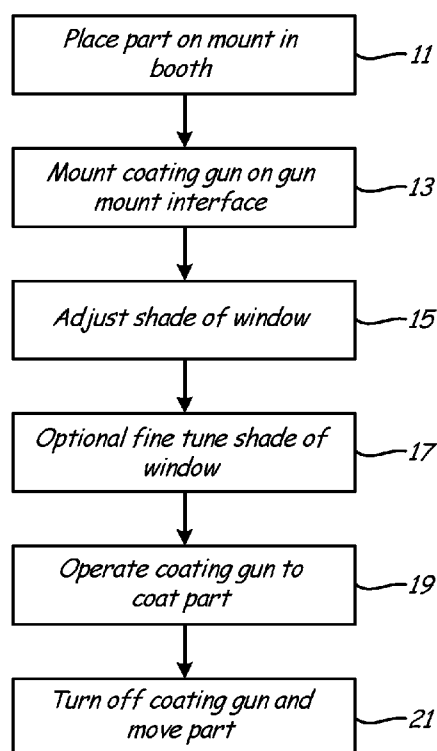




- (51) International Patent Classification:
C23C 4/00 (2006.01) *C23C 4/12* (2006.01)
- (21) International Application Number:
PCT/US2013/027233
- (22) International Filing Date:
22 February 2013 (22.02.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
13/448,487 17 April 2012 (17.04.2012) US
- (71) Applicant: UNITED TECHNOLOGIES CORPORATION [US/US]; One Financial Plaza, Hartford, Connecticut 06101 (US).
- (72) Inventor: MARKOWSKI, John E.; 160 Overhill Drive, Berlin, Connecticut 06037 (US).
- (74) Agents: MUNDAY, John S. et al.; Kinney & Lange, P.A., The Kinney & Lange Building, 312 South Third Street, Minneapolis, Minnesota 55415 (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, 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,

[Continued on next page]

(54) Title: ADAPTIVE SHADE WINDOW FOR PLASMA OPERATIONS



(57) Abstract: An observation window is provided for use with a spray booth during a spray coating process where the observation window is located in a position to permit an operator to observe the spray coating process. The observation window is controlled to provide light transmission in the window suitable for the specific spray process being performed. The control can be automatic or operator controlled. The window is adapted to have a different light transmission during different spray processes such as plasma spray and HVOF spray.

Fig. 1



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))