

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 December 2005 (29.12.2005)

PCT

(10) International Publication Number
WO 2005/122713 A3

(51) International Patent Classification:
B23P 15/02 (2006.01)

(21) International Application Number:
PCT/US2004/040765

(22) International Filing Date:
6 December 2004 (06.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/736,019 15 December 2003 (15.12.2003) US

(71) Applicant (for all designated States except US): **TURBO-COMBUSTOR TECHNOLOGY, INC.** [US/US]; 3651 S.E. Commerce Avenue, Stuart, FL 34997 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HANLEY, Gary, Lynn** [US/US]; 8358 Southeast Woodcrest Place, Hobe Sound, FL 33455 (US).

(74) Agent: **HRINA, David, J.**; Buckingham, Doolittle and Burroughs, LLP, 50 S. Main St., Akron, Ohio 44308 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

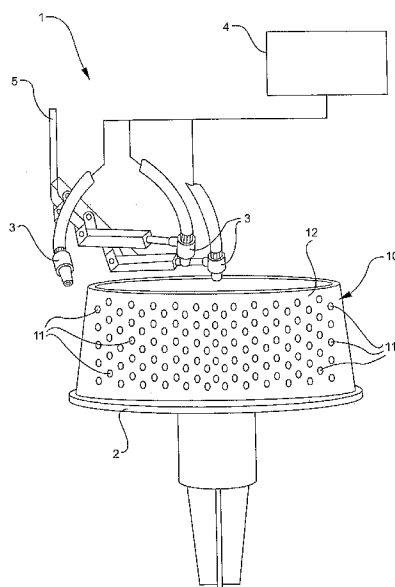
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
22 June 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR REMOVING THERMAL BARRIER COATINGS



(57) Abstract: Briefly, the present invention provides a process which uses an air jet (3) containing non-abrasive particulate media at a low pressure which selectively removes thermal barrier coatings (12) from components (10) without damaging the metallic substrate. This process selectively removes thermal barrier coating from the cooling holes (11) of components.

WO 2005/122713 A3