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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
26 September 2002 (26.09.2002)

PCT

(10) International Publication Number
WO 02/074611 A3

(51) International Patent Classification[7]: B62D 57/024, B63B 59/10

(21) International Application Number: PCT/US02/05469

(22) International Filing Date: 22 February 2002 (22.02.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/809,800 16 March 2001 (16.03.2001) US

(71) Applicant: ULTRASTRIP SYSTEMS, INC. [US/US]; P.O. Box 2173, sTUART, fl 34995 (US).

(72) Inventor: MCGUIRE, Dennis; 3515 S.E. Lionel Terrance, Stuart, FL 34996 (US).

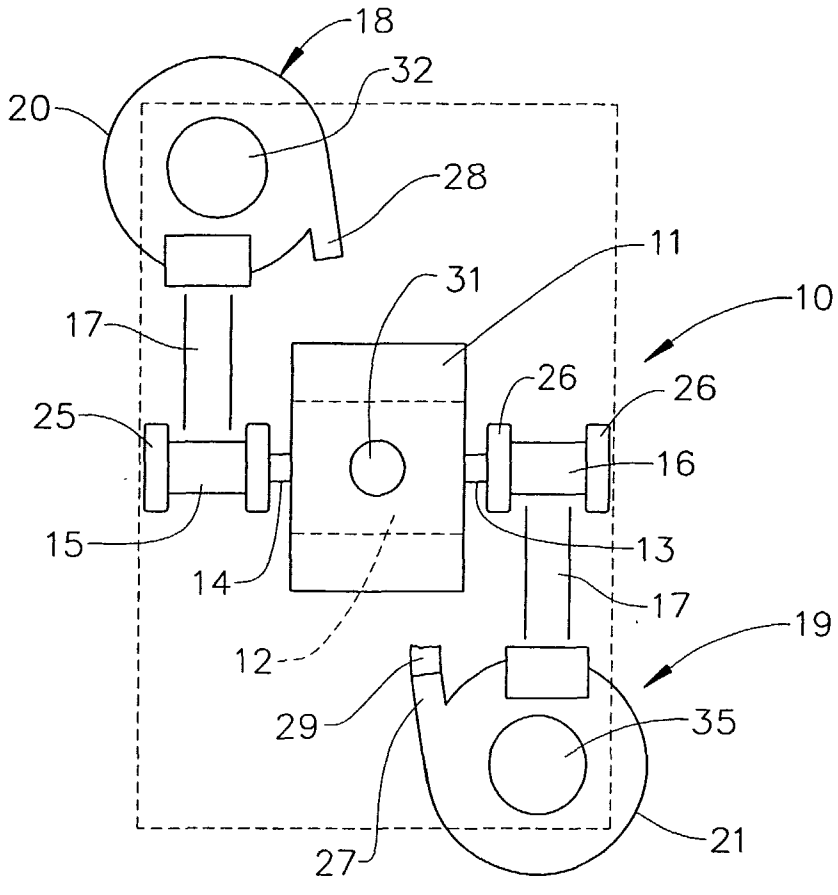
(74) Agent: SLAVIN, Michael, A.; McHale & Slavin, P.A., 4440 PGA Boulevard, Suite 402, Palm Beach Gardens, FL 33410 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: AIR GAP MAGNETIC MOBILE ROBOT



(57) Abstract: A mobile robot (10) for cleaning, stripping, reconditioning or refurbishing a coating on a metal work piece has a remote controlled power module (11) for locomotion and a working head (48) for removing the coating. The robot is held on the metal work piece by magnets (35) mounted on the robot but spaced from the work piece.

WO 02/074611 A3

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:
27 December 2002

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.