

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A47L	A2	(11) International Publication Number: WO 99/30602 (43) International Publication Date: 24 June 1999 (24.06.99)
(21) International Application Number: PCT/GB98/03816 (22) International Filing Date: 17 December 1998 (17.12.98) (30) Priority Data: 9726676.1 17 December 1997 (17.12.97) GB (71) Applicant (for all designated States except US): NOTETRY LIMITED [GB/GB]; Kingsmead Mill, Little Somerford, Wiltshire SN15 5JN (GB). (72) Inventor; and (75) Inventor/Applicant (for US only): DYSON, James [GB/GB]; Kingsmead Mill, Little Somerford, Wiltshire SN15 5JN (GB). (74) Agent: DEVONS, David, Jon; Marks & Clerk, 57-60 Lincoln's Inn Fields, London WC2A 3LS (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published Without international search report and to be republished upon receipt of that report.

(54) Title: A VACUUM CLEANER

(57) Abstract

The invention provides a vacuum cleaner comprising an airflow path having a dirty air inlet (14) and a clean air outlet (44e), a fan (48) for drawing an airflow along the airflow path from the dirty air inlet (14) to the clean air outlet (44e), a motor (50) for driving the fan (48), separating apparatus (18) for separating dirt and dust from the airflow, a pre-motor filter (32) arranged upstream of the motor (50) and a post-motor filter (42) arranged downstream of the motor (50), wherein both the pre-motor filter (32) and the post-motor filter (42) are cylindrical filters. The invention further provides a vacuum cleaner comprising an airflow path having a dirty air inlet (14) and a clean air outlet (44e), a fan (48) for drawing an airflow along the airflow path from the dirty air inlet (14) to the clean air outlet (44e), a motor (48) for driving the fan (50), separating apparatus (18) for separating dirt and dust from the airflow, a pre-motor filter (32) arranged upstream of the motor (50) and a post-motor filter (42) arranged downstream of the motor (50), wherein the post-motor filter (42) is housed in a casing (44) containing a plurality of slots or apertures (44e), the slots or apertures (44e) forming the clean air outlet and being arranged such that, in use, the airflow is diffused as it leaves the clean air outlet.

