



162162

2003022050

16 Apr 03

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 May 2002 (02.05.2002)

PCT

(10) International Publication Number
WO 02/35093 A1

(51) International Patent Classification⁷: **F04B 17/04**,
35/04, 39/00

[NZ/NZ]; 139 Point View Drive, Howick, Auckland (NZ).
LEE, Geoffrey, Alan [NZ/NZ]; 7 Kilsyth Way, Howick,
Auckland (NZ).

(21) International Application Number: PCT/NZ00/00201

(22) International Filing Date: 17 October 2000 (17.10.2000)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **FISHER & PAYKEL APPLIANCES LIMITED** [NZ/NZ]; 78 Springs Road, East Tamaki, Auckland (NZ).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SEAGAR, Neville, David** [NZ/NZ]; 89 Benson Road, Remuera, Auckland (NZ). **McGILL, Ian, Campbell** [NZ/NZ]; 88 Kohimarama Road, Kohimarama, Auckland (NZ). **DUNCAN, Gerald, David** [NZ/NZ]; 12 Cedar Road, Epsom, Auckland (NZ). **PATEL, Upesh** [NZ/NZ]; 25a Quona Avenue, Hillsborough, Auckland (NZ). **TAYLOR, Andrew, Paul**

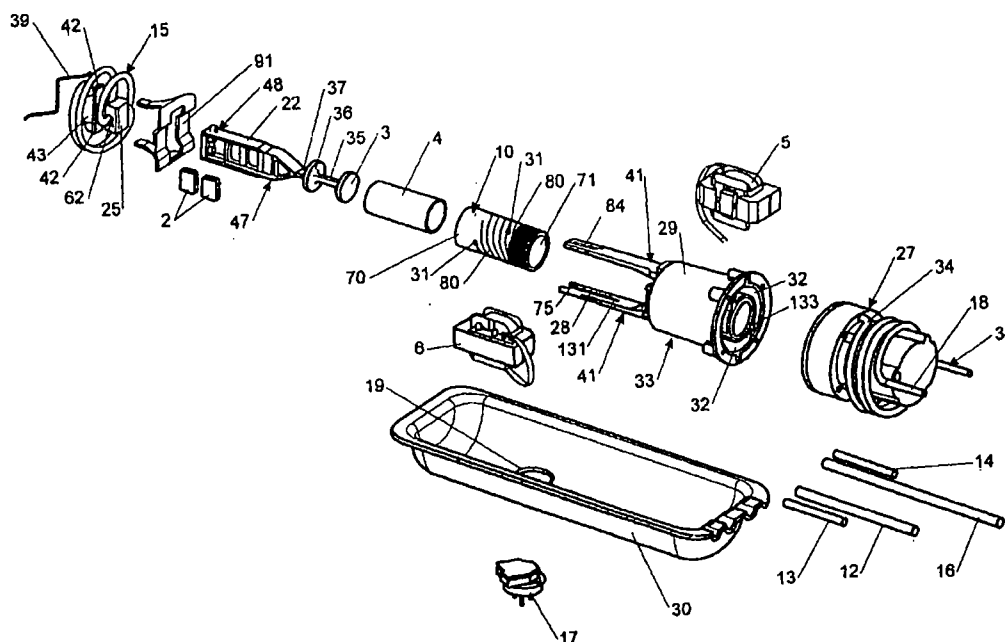
(74) Agents: **CALHOUN, Douglas, C.** et al.; A J Park, Intellectual Property Lawyers and Patent Attorneys of Huddart Parker, Building, 1 Post Office Square, Wellington 6015 (NZ).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, 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, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, 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).

[Continued on next page]

(54) Title: LINEAR COMPRESSOR



(57) Abstract: A linear compressor comprising a cylinder part (10) including a cylinder bore (71) and a piston (4) disposed in, and slidable within the bore (71). A main spring (15) connects the cylinder part (10) directly or indirectly with the piston (4). A connecting rod (47) connects between the main spring (15) and the piston (4). A stator (5) has an air gap through which the connecting rod (47) passes. At least one armature pole (2) is located along the connecting rod (47).

WO 02/35093 A1



ACTION

Published:

— with international search report

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.