



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁶:

F01C 1/344 // F04C 2/344

A1

(11) International Publication Number:

WO 99/43926

(43) International Publication Date:

2 September 1999 (02.09.99)

(21) International Application Number: PCT/NO99/00060

(22) International Filing Date: 19 February 1999 (19.02.99)

(30) Priority Data:

19980783	25 February 1998 (25.02.98)	NO
19990364	26 January 1999 (26.01.99)	NO

(71) Applicant (for all designated States except US): VADING MOTOR AS [NO/NO]; P.O. Box 59, N-8001 Bodø (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): VADING, Kjell [NO/NO]; Nedre Lagård Terrasse 13, N-8012 Bodø (NO).

(74) Agent: PROTECTOR IP CONSULTANTS AS; P.O. Box 5074, Majorstua, N-0310 Oslo (NO).

(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

With international search report.

With amended claims.

In English translation (filed in Norwegian).

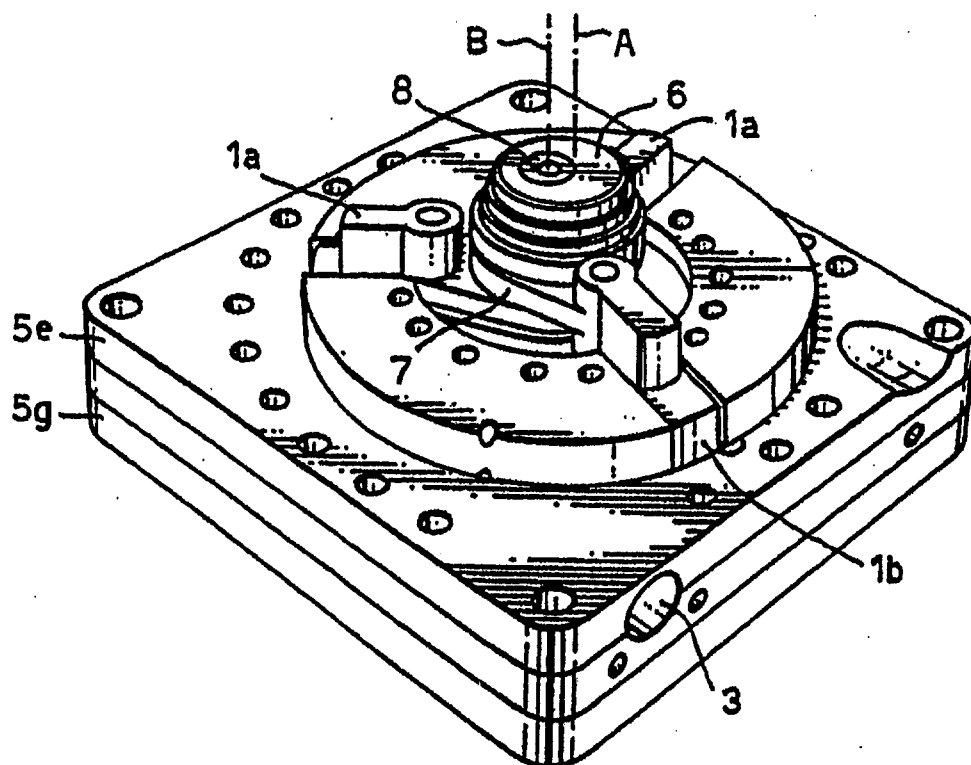


G00002

(54) Title: ROTARY-PISTON MACHINE

(57) Abstract

A rotary-piston machine (10) comprising a housing (5) having a cavity (9), a rotor (2) received in the housing (5), which rotor (2) having a rotor axis (A) and a peripheral surface (21), inlet and outlet passages (3, 4) in communication with said cavity (9), one or more vanes (1) radially slideable received in slots (11) in the rotor (2), each vane (1) extending radially from the internal surface (20) of the housing (5) to the rotor axis (A), and at least one working chamber (9a) being part of the cavity (9) and is defined by the internal surface (20) of the housing (5), the peripheral surface (21) of the rotor (2) and the side surface of at least one vane (1). Each vane (1) is articulated connected about an axis (C) to one



end of a control arm (7) and is in the other end pivotable journaled in a fixed axle shaft (8) having a central axis (B) being coincident with the axis extending centrally through the cavity (9) of the housing (5), which axis (B) extend in parallel with and spaced (d) from the rotor axis (A), and the rotor (2) proper constitute the unit for power take off or power input.