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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 October 2011 (20.10.2011)

WIPO | PCT

(10) International Publication Number
WO 2011/128502 A3

(51) International Patent Classification:
F04D 3/02 (2006.01) *F04C 27/00* (2006.01)
F04D 31/00 (2006.01) *F04C 19/00* (2006.01)

(21) International Application Number:
PCT/FI2011/050276

(22) International Filing Date:
31 March 2011 (31.03.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20105386 14 April 2010 (14.04.2010) FI

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
31 May 2012

(54) Title: LIQUID RING PUMP AND METHOD FOR OPERATING A LIQUID RING PUMP

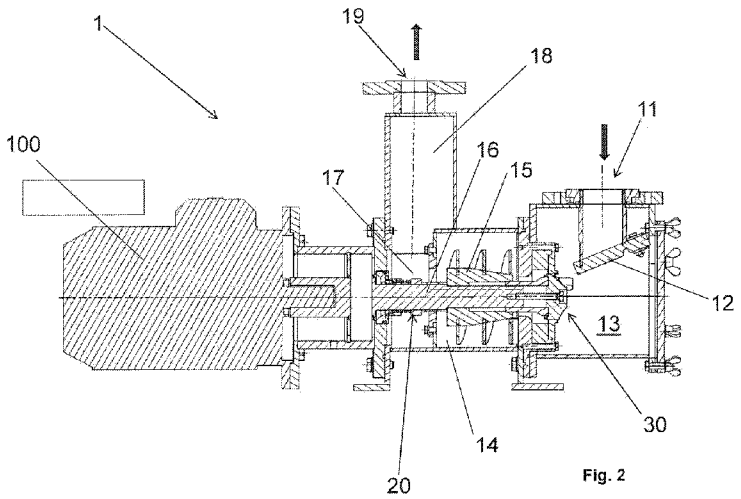


Fig. 2

(57) Abstract: The invention relates to a liquid ring pump (1) for generating vacuum and for pumping a flow of sewage in a vacuum sewage system. The liquid ring pump comprises in the direction of the flow of sewage a pump inlet (11), an inlet chamber (13), a pump housing (14) provided with a rotor (15) arranged on a drive shaft(16) provided with a mechanical seal (20), an outlet chamber(17), and an pump outlet (19). The mechanical seal (20) is arranged within the outlet chamber (17). The outlet chamber (17) is provided with an integrated extension (18) providing an enlargement of the outlet chamber (17)in order to retain the flow of sewage in the outlet chamber (17) before it is discharged from the pump outlet (19) in order to improve the lubrication of the mechanical seal (20).

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INTERNATIONAL SEARCH REPORT

International application No
PCT/FI2011/050276

A. CLASSIFICATION OF SUBJECT MATTER
INV. F04D3/02 F04D31/00 F04C27/00 F04C19/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
F04D F04C F01C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
28 March 2012	11/04/2012

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Sbresny, Heiko

INTERNATIONAL SEARCH REPORT

International application No
PCT/FI2011/050276

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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