



(51) International Patent Classification:
F04B 39/00 (2006.01) *F04B 17/00* (2006.01)
F04B 53/00 (2006.01)

(21) International Application Number:
PCT/US2011/063968

(22) International Filing Date:
8 December 2011 (08.12.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/421,453 9 December 2010 (09.12.2010) US

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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, QA, RO, RS, RU, RW, 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.

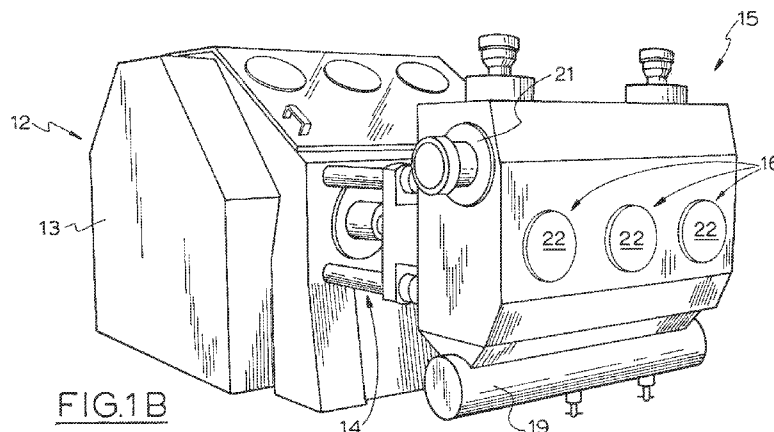
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, 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))

(88) Date of publication of the international search report:
27 December 2012

(54) Title: OFFSET VALVE BORE FOR A RECIPROCATING PUMP



(57) Abstract: A fluid end 15 for a multiple reciprocating pump assembly 12 comprises at least three plunger bores 61 or 91, each for receiving a reciprocating plunger 35. Each plunger bore has a plunger bore axis 65 or 95. The plunger bores are arranged across the fluid end to define a central plunger bore and lateral plunger bores located on either side of the central plunger bore. The fluid end 15 also comprises at least three respective suction valve bores 59 or 89 in fluid communication with the plunger bores. Each suction valve bore can receive a suction valve 41 and has a suction valve bore axis 63 or 93. The fluid end 15 also comprises at least three respective discharge valve bores 57 or 87 in fluid communication with the plunger bores. Each discharge valve bore can receive a discharge valve 43 and has a discharge valve bore axis 63 or 93. At least one of the axes of at least one of the suction and discharge valve bores is offset in the fluid end from its respective plunger bore axis.

