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(71) Applicant (for all designated States except US): **S.P.M. FLOW CONTROL, INC.** [US/US]; 7601 Wyatt Drive, Fort Worth, Texas 76108 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAYYOUK, Jacob A.** [US/US]; 1808 Wyndcliff Drive, Richardson, Texas 75082 (US). **MANSON, David M.** [GB/GB]; 44 Harvie Avenue, Newtonmearns, Glasgow Central Scotland G776LQ (GB). **MACKENZIE, Donald** [GB/GB]; University of Strathclyde, 75 Montrose Street, Glasgow Central Scotland G1 1XJ (GB). **DAVIES, John Bruce Clayfield** [GB/GB]; University of Strathclyde, 75 Montrose Street, Glasgow Central Scotland G1 1XJ (GB).

(74) Agent: **BRADLEY, James E.**; Bracewell & Giuliani LLP, 711 Louisiana, Ste. 2300, Houston, Texas 77002 (US).

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

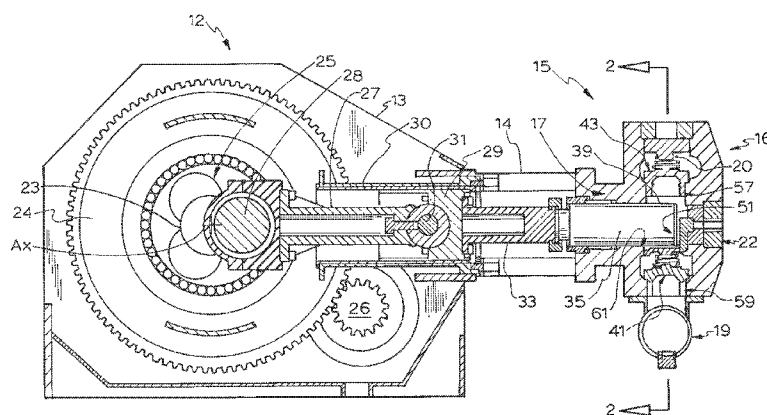


FIG. 1A

(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.

