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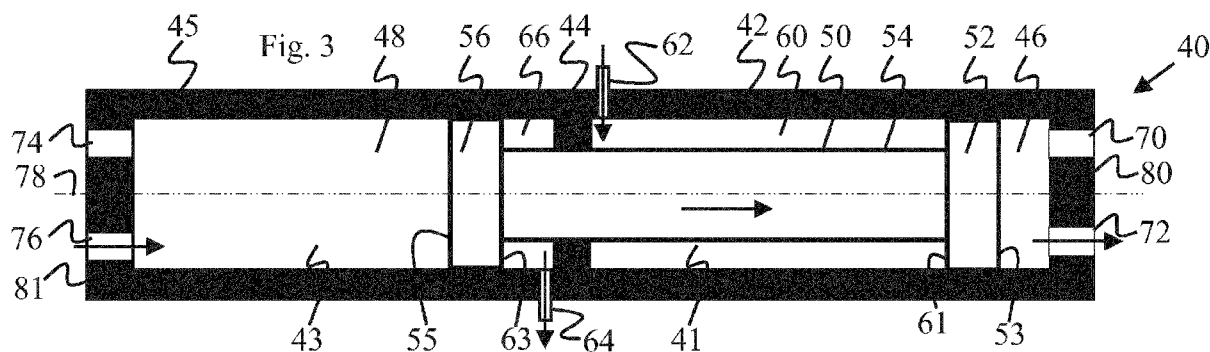
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(54) Title: PUMP SYSTEM



(57) Abstract: A fluid pump, for example being adapted to operate in a well bore, and a well bore tool are presented, the fluid pump comprising a pump housing comprising a cylinder, the cylinder having a first and a second chamber and a constriction between the first and the second chamber. The fluid pump further comprises a double action piston assembly arranged movably in the pump housing for pumping fluid, the double action piston assembly extending from the first chamber through the constriction into the second chamber.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER INV. F04B5/02 F04B9/109 F04B47/08 F04B9/115 F04B9/135 F04B23/02 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) F04B 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 practicable, search terms used) EPO-Internal, WPI Data																							
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Category*</th> <th style="width: 70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width: 20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: top;">X</td> <td style="vertical-align: top;">WO 2006/027562 A1 (DES ENHANCED RECOVERY LTD [GB]; DONALD IAN [GB]; REID JOHN [GB]) 16 March 2006 (2006-03-16)</td> <td style="vertical-align: top;">1-23,25, 27-40</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">Y</td> <td style="vertical-align: top;">figure 1 page 17, line 27 - page 22, line 2 -----</td> <td style="vertical-align: top;">24,26</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">X</td> <td style="vertical-align: top;">US 4 405 291 A (CANALIZO CARLOS R [US]) 20 September 1983 (1983-09-20)</td> <td style="vertical-align: top;">1-23,25, 27-40</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">A</td> <td style="vertical-align: top;">figure 1 column 1, line 35 - line 37 column 3, line 47 - column 4, line 37 -----</td> <td style="vertical-align: top;">24,26</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">X</td> <td style="vertical-align: top;">US 4 690 160 A (WALTHER NORBERT [DE] ET AL) 1 September 1987 (1987-09-01)</td> <td style="vertical-align: top;">1-23,25, 27,28, 36-40</td> </tr> <tr> <td style="text-align: center; vertical-align: top;">A</td> <td style="vertical-align: top;">figure 1 column 4, line 14 - line 63 ----- -/-</td> <td style="vertical-align: top;">24,26, 29-35</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	WO 2006/027562 A1 (DES ENHANCED RECOVERY LTD [GB]; DONALD IAN [GB]; REID JOHN [GB]) 16 March 2006 (2006-03-16)	1-23,25, 27-40	Y	figure 1 page 17, line 27 - page 22, line 2 -----	24,26	X	US 4 405 291 A (CANALIZO CARLOS R [US]) 20 September 1983 (1983-09-20)	1-23,25, 27-40	A	figure 1 column 1, line 35 - line 37 column 3, line 47 - column 4, line 37 -----	24,26	X	US 4 690 160 A (WALTHER NORBERT [DE] ET AL) 1 September 1987 (1987-09-01)	1-23,25, 27,28, 36-40	A	figure 1 column 4, line 14 - line 63 ----- -/-	24,26, 29-35
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A	figure 1 column 4, line 14 - line 63 ----- -/-	24,26, 29-35																					
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Date of the actual completion of the international search 22 November 2017		Date of mailing of the international search report 30/11/2017																					
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Ricci, Saverio																					

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