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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR CONTROLLING FLOW IN A WELL PRODUCTION SYSTEM

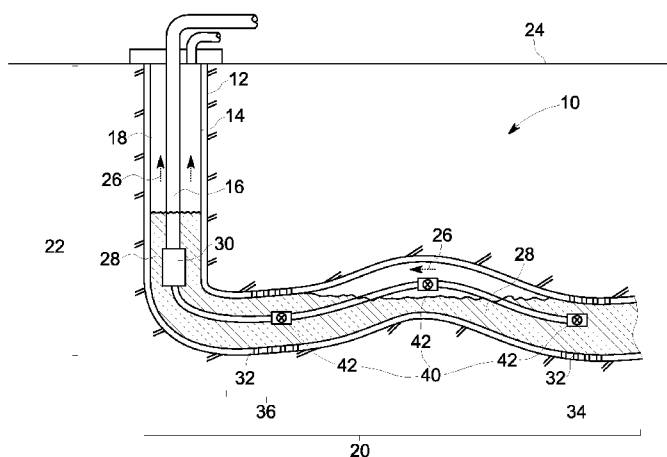
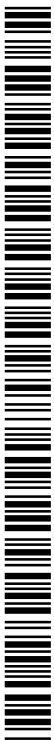


FIG. 1

(57) Abstract: A flow control system (40, 56,72) is provided for a horizontal well production system (10) having a casing (12), a tube (16) having an intake opening (38) and disposed within the casing, and a gap (18) formed between the casing and the tube. The flow control system includes a valve (42) having an orifice (52), coupled to the tube and disposed proximate to the intake opening. The flow control system further includes an actuator (46) coupled to the valve and configured to open the valve in response to a presence of a liquid in the gap, proximate to the intake opening, to permit flow of the liquid into the tube via the intake opening, and to close the valve in response to a presence of a gas in the gap, proximate to the intake opening, to prevent flow of the gas into the tube via the intake opening.





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# INTERNATIONAL SEARCH REPORT

International application No PCT/US2015/064414
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. E21B34/08 E21B43/32 F16K33/00 ADD.				
According to International Patent Classification (IPC) or to both national classification and IPC				
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) E21B F16K				
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				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 2009/101329 A1 (CLEM NICHOLAS J [US] ET AL) 23 April 2009 (2009-04-23) poppet valve; paragraphs [0004], [0020], [0022], [0024]; figures 1,4,5 the whole document -----	1-4,6,7		
X	US 2009/236102 A1 (GUEST RANDALL V [US] ET AL) 24 September 2009 (2009-09-24) paragraph [0005]; figures 1,4,6,8 poppet, float (buoyant); paragraph [0036]; claim 14 close off or reduce inflow within production zones experiencing an undesirable influx of gas. ----- -/--	1-21		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.</td> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> See patent family annex.</td> </tr> </table>			<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.			
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"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family			
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31 October 2016	09/11/2016			
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  van Berlo, André			

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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