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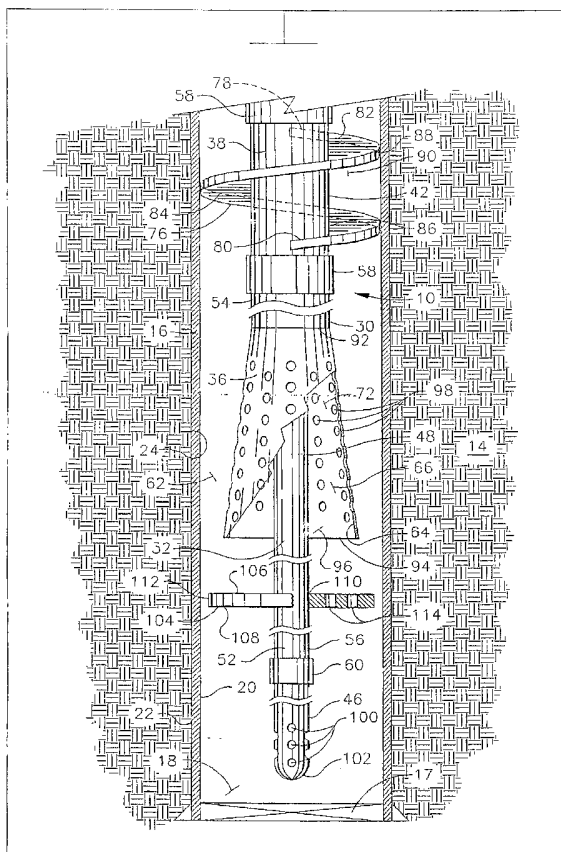
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(54) Title: A GAS-LIQUID SEPARATOR POSITIONABLE DOWN HOLE IN A WELL BORE



(57) Abstract: A gas-liquid separator positionable down hole in a well bore includes an external tube having an external tube interior and an internal tube having an internal tube interior. The internal tube is positioned in the external tube interior to form an internal annulus defining a gas flowpath and the internal tube interior defines a reduced-gas fluid flowpath. A plate at least partially encircles the external tube to form a curved flow channel, which defines a produced fluid mixture flowpath. A first internal annulus opening is provided in the external tube, which defines a gas inlet port. An internal tube interior opening is provided in the internal tube, which defines a reduced-gas fluid inlet port. A produced fluid mixture is conveyed through the flow channel, which spins the produced fluid mixture about the external tube. At least a portion of a gas in the produced fluid mixture is separated from the liquid in response to spinning, thereby producing a separated free gas which enters the gas flowpath via the gas inlet port and a reduced-gas fluid which enters the reduced-gas fluid flowpath via the reduced-gas fluid inlet port.



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

B. FIELDS SEARCHED

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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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,128,719 A (JONGBLOED) 14 APRIL 1964	1,2,4,7,8, 12-30
---	SEE THE ENTIRE DOCUMENT	-----
Y		11
Y	US 2,429,043 A (BARNHART) 14 OCTOBER 1947	11
	SEE ENTIRE DOCUMENT	
A	US 4,531,584 A (WARD) 30 JULY 1985	

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Further documents are listed in the continuation of Box C.

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See patent family annex.

* Special categories of cited documents:		"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
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"O"	document referring to an oral disclosure, use, exhibition or other means		
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