

3 Documents

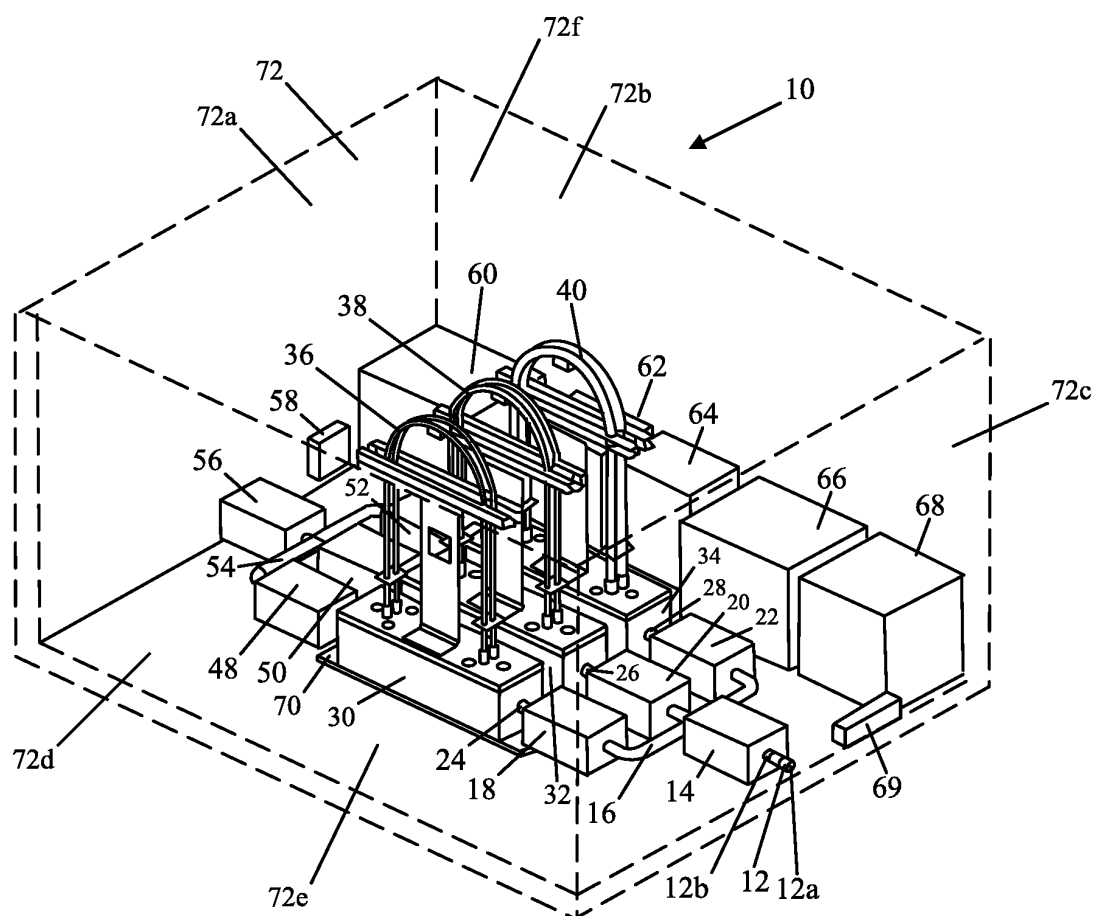
Publication numbers	Title	Current assignees
US20120085434 A1	Method and apparatus for flow device	AMD GRAPHIC PRODUCT
CA2715949 A1	Debris removal system and method for pressure controlled wellbore drilling and intervention operations	APACHE
US5661232 A	Coriolis viscometer using parallel connected coriolis mass flowmeters	MICRO MOTION

Family 1/3 - FAMPAT - ©Questel

Title

(US20120085434)

Method and apparatus for flow device

Images**Publication data including kind & date**[US2012085434](#)

A1 2012-04-12

US20120085434

**Abstract**

(US20120085434)

An apparatus and method for controlling the flow of fluids such as liquids or gasses. The apparatus may include an input control valve, an input manifold, first, second, and third further control valves, first, second, and third flow meters, first, second, and third check valves, and an output manifold. The apparatus may further include a control central processing unit which controls the input control valve, the first, second, and third further control valves, and the output control valve. The control central processing unit may receive one or more signals concerning fluid flow through the first, second, and third flow meters and may control flow through the meters by controlling one or more valves. Each of the first, second, and third flow meters may be a coriolis flow meter.

Inventors

POWANDA WILLIAM

Latest standardized assignees - inventors removed

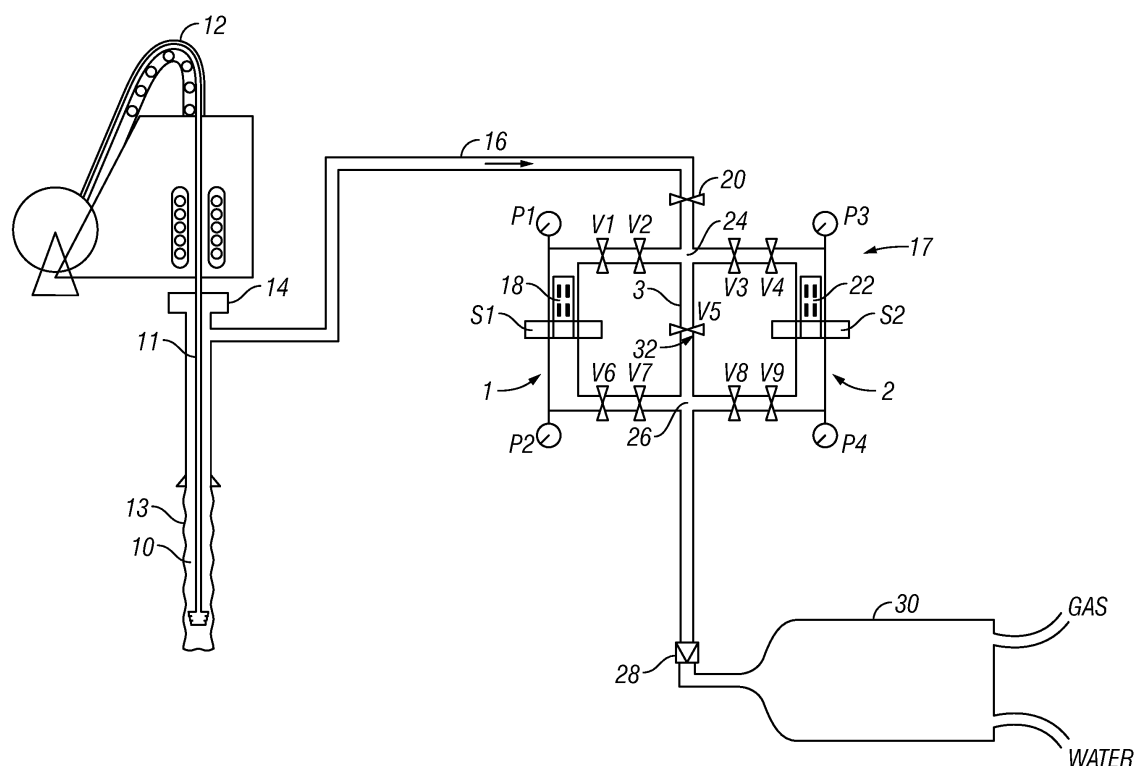
AMD GRAPHIC PRODUCT

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Title

(US20110198080)

Debris removal system and method for pressure controlled wellbore drilling and intervention operations

Images**Publication data including kind & date**[CA2715949](#)

A1 2011-08-18

CA2715949

[US2011198080](#)

A1 2011-08-18

US20110198080

**Abstract**

(US20110198080)

A wellbore debris screening system used with controlled annulus pressure wellbore intervention and drilling operations includes a wellbore annulus seal configured to pressure isolate an annular space between a conduit inserted into the wellbore and the wellbore wall. A first screening device is coupled to an output of the annulus seal. Second screening device is coupled to the output of the annulus seal. Valves are provided that are operable to selectively divert flow out of the annulus to the first and to the second screening sections.

Inventors

DEMONG KARL

Latest standardized assignees - inventors removed

APACHE

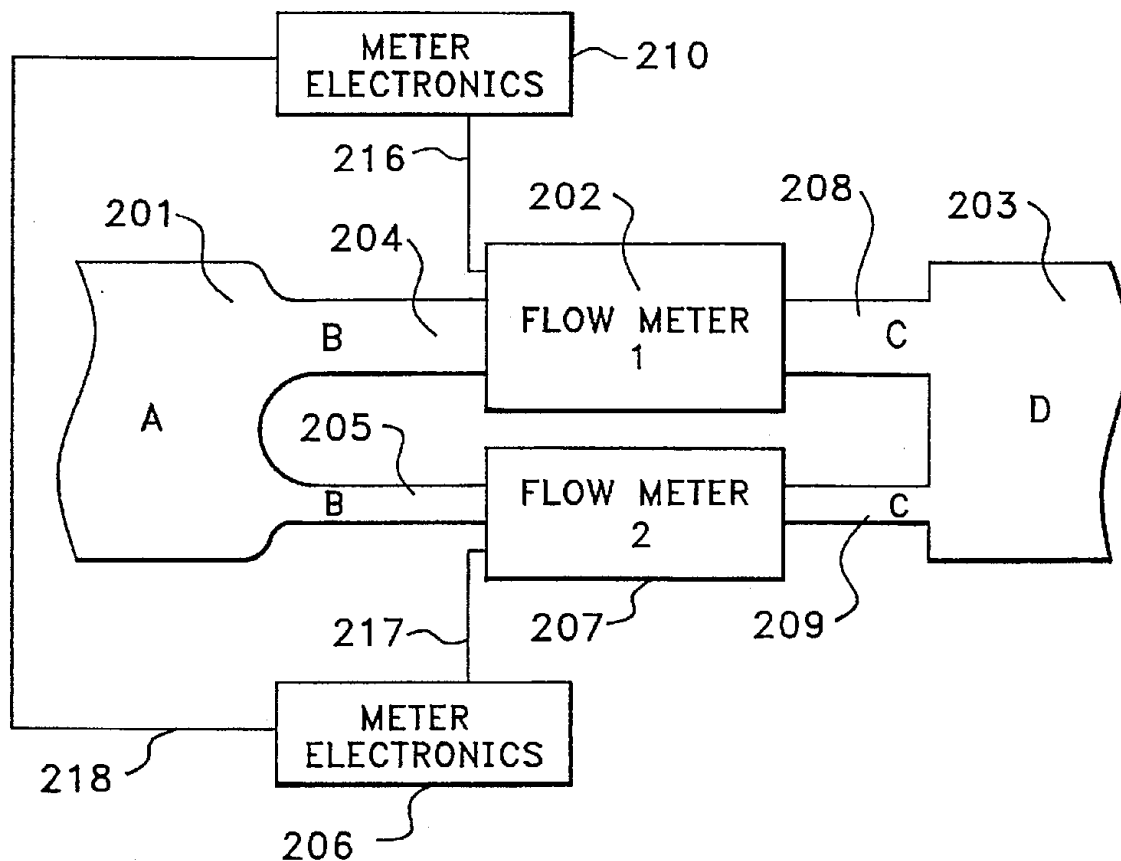
Family 3/3 - FAMPAT - ©Questel

Title

(EP-885382)

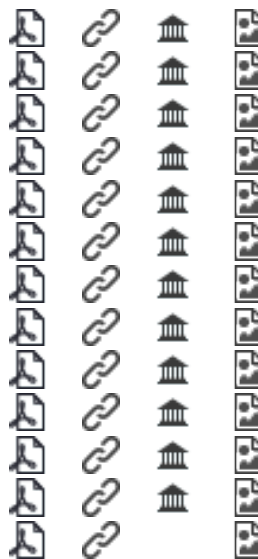
Coriolis viscometer using parallel connected coriolis mass flowmeters

Images



Publication data including kind & date

US5661232	A	1997-08-26	US5661232
WO9733150	A2	1997-09-12	WO9733150
AU2063497	A	1997-09-22	AU9720634
WO9733150	A3	1997-10-16	WO9733150
EP0885382	A2	1998-12-23	EP-885382
CN1217788	A	1999-05-26	CN1217788
JP2000505557	A	2000-05-09	JP2000505557
EP0885382	B1	2002-06-05	EP-885382
DE69713074	D1	2002-07-11	DE69713074
JP3313731	B2	2002-08-12	JP3313731
DE69713074	T2	2002-10-17	DE69713074
CN1163736	C	2004-08-25	CN1163736C
HK1019637	A1	2005-05-06	HK1019637



Abstract

(EP-885382)

A pair of flowmeters having unequal flow carrying capabilities are effectively connected in parallel to receive a material flow. The material flow through the flowmeters supplies output signals to associated meter electronics which derives mass flow and other information for each meter. The meter electronics is pre-programmed with information regarding the physical characteristics of each flowmeter. The meter electronics uses the pre-programmed information and the derived material flow velocity for each meter and other information to determine the viscosity for the material in the flowmeters.

Inventors

VAN CLEVE CRAIG BRAINERD

LOVING ROGER SCOTT

Latest standardized assignees - inventors removed

MICRO MOTION