

a flow coefficient character of the **choke**, and a current **position** of the **choke**. Based on these indications, the computerized **control** then determines a **position** adjustment for the **choke** and adjusting the parameter in the **drilling** system by applying the **position** adjustment to the **choke**.

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PN - [GB2546665](#) A 20170726

PR - WO2015US54452
20151007; US201462061527P
20141008

AP - GB20170005947 20151007

DT - **

CT - || STSE (A)
[WO2014007797](#) A1 20140109 [] (HALLIBURTON ENERGY SERV INC [US], et al);
[US8352087](#) B2 20130108 [] (YLI-KOSKI ESKO [FI]);
[US2003024737](#) A1 20030206 [] (CHANG LINGO [US], et al)

CCI - [E21B21/08](#)

CUI - [E21B7/00](#) ; [G05B19/042](#)

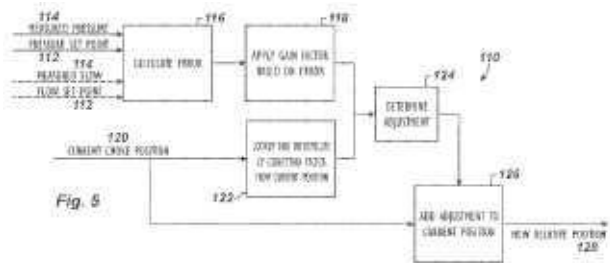
CNOI - [E21B21/08](#)

CUA - [G05B2219/23399](#)

PA - WEATHERFORD TECH HOLDINGS LLC [US]

TI - **Choke control** tuned by flow coefficient for controlled **pressure drilling**

AB - A computerized **control** is used in controlling a **choke** when **drilling** a **wellbore** with a **drilling** system. The computerized **control** obtains a measured value of a parameter in the **drilling** system and controls the parameter in the **drilling** system using the **choke**. The computerized **control** obtains indications of an **error** between a set point of the parameter and the measured value of the parameter in the **drilling** system, a flow coefficient character of the **choke**, and a current **position** of the **choke**. Based on these indications, the computerized **control** then determines a **position** adjustment for the **choke** and



adjusting the parameter in the **drilling** system by applying the **position** adjustment to the **choke**.

- 3/6 © EPODOC / EPO
- PN

- [CA2963668](#) A1 20160414
- PR

- US201462061527P
20141008; WO2015US54452
20151007
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- CA20152963668 20151007
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- CUI

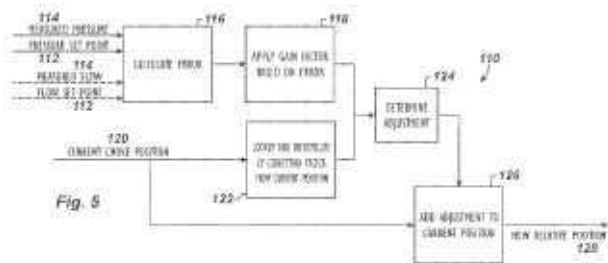
- [E21B7/00](#) ; [G05B19/042](#)
- CUA

- [G05B2219/23399](#)
- PA

- WEATHERFORD TECH HOLDINGS
LLC [US]
- TI

- **CHOKE CONTROL** TUNED BY
FLOW COEFFICIENT FOR
CONTROLLED **PRESSURE DRILLING**
- AB

- A computerized **control** is used in
controlling a **choke** when **drilling**
a **wellbore** with a **drilling** system.
The computerized **control**
obtains a measured value of a
parameter in the **drilling** system
and controls the parameter in
the **drilling** system using
the **choke**. The
computerized **control** obtains
indications of an **error** between
a set point of the parameter and
the measured value of the
parameter in the **drilling** system,
a flow coefficient character of
the **choke**, and a current **position**
of the **choke**. Based on these
indications, the
computerized **control** then
determines a **position**
adjustment for the **choke** and
adjusting the parameter in
the **drilling** system by applying
the **position** adjustment to
the **choke**.



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- PN

- [AU2015328157](#) A1 20170420
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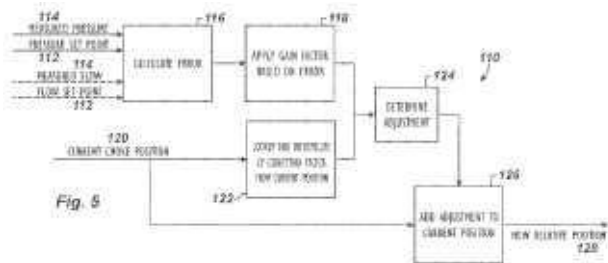
- AU2015328157B B2 20180215
- PR

- US201462061527P
20141008; WO2015US54452
20151007
- AP

- AU20150328157 20151007
- DT

- I
- CT

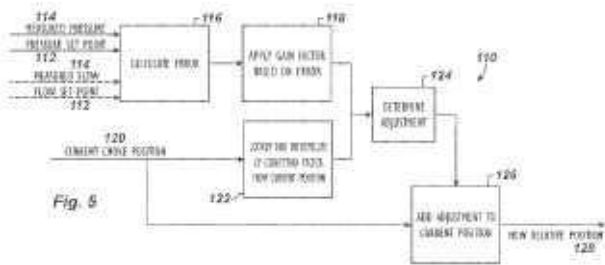
- || STSE (B2)
[US2012330466](#) A1 20121227 [



	] (RODGER GEORGE JOEL [US]); US2007151762 A1 20070705 [] (REITSMA DONALD G [US]); US4556956 A 19851203 [] (DICKENSON ROYSTON J [US], et al); WO2014007797 A1 20140109 [] (HALLIBURTON ENERGY SERV INC [US], et al); US2003024737 A1 20030206 [] (CHANG LINGO [US], et al)
CCI	- E21B21/08
CUI	- E21B7/00 ; G05B19/042
CUA	- G05B2219/23399
PA	- (A1 B2) WEATHERFORD TECHNOLOGY HOLDINGS LLC
TI	- (A1 B2) Choke control tuned by flow coefficient for controlled pressure drilling
AB	- (A1 B2) A computerized control is used in controlling a choke when drilling a wellbore with a drilling system. The computerized control obtains a measured value of a parameter in the drilling system and controls the parameter in the drilling system using the choke . The computerized control obtains indications of an error between a set point of the parameter and the measured value of the parameter in the drilling system, a flow coefficient character of the choke , and a current position of the choke . Based on these indications, the computerized control then determines a position adjustment for the choke and adjusting the parameter in the drilling system by applying the position adjustment to the choke .

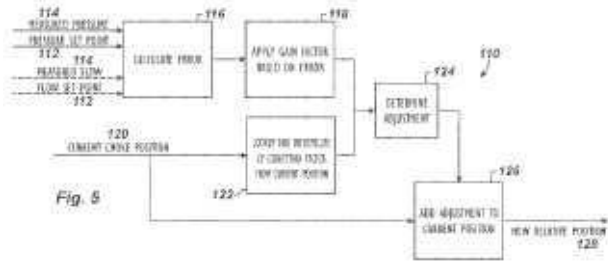
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PN	- US2016102511 A1 20160414
PR	- US201514876260 20151006; US201462061527P 20141008
AP	- US201514876260 20151006
DT	- **
CT	- R141 (A1) US2012330466 A1 20121227 [



	] (RODGER GEORGE JOEL [US]); US4556956 A 19851203 [] (DICKENSON ROYSTON J [US], et al); US2007151762 A1 20070705 [] (REITSMA DONALD G [US])
CCI	- E21B21/08
CUI	- E21B7/00 ; G05B19/042
CUA	- G05B2219/23399
PA	- WEATHERFORD TECHNOLOGY HOLDINGS LLC [US]
TI	- Choke Control Tuned by Flow Coefficient for Controlled Pressure Drilling
AB	- A computerized control is used in controlling a choke when drilling a wellbore with a drilling system. The computerized control obtains a measured value of a parameter in the drilling system and controls the parameter in the drilling system using the choke . The computerized control obtains indications of an error between a set point of the parameter and the measured value of the parameter in the drilling system, a flow coefficient character of the choke , and a current position of the choke . Based on these indications, the computerized control then determines a position adjustment for the choke and adjusting the parameter in the drilling system by applying the position adjustment to the choke .

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PN	- WO2016057645 A1 20160414
PR	- US201462061527P 20141008
AP	- WO2015US54452 20151007
DT	- *; Rep
CT	- EP ISR (A1) WO2014007797 A1 20140109 [X] (HALLIBURTON ENERGY SERV INC [US], et al) [X] 1-6,17,19,20 * page 1, lines 14-15; figure 5 * * page 12, lines 18-26 * * page 14, line 21 - page 15, line 12 * * page 16, lines 3-18 * * page 17, lines 3-27 * * page 17, line 26 - page 18,



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[Y] 8

[I] 7,9-16;

[US8352087](#)
B2 20130108 [A] (YLI-KOSKI ESKO [FI])

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[US2003024737](#)
A1 20030206

[Y] (CHANG LINGO [US], et al)

[Y] 8

* paragraphs [0018] - [0022];

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- CCI

- [E21B21/08](#)
- CUI

- [E21B7/00](#) ; [G05B19/042](#)
- CUA

- [G05B2219/23399](#)
- PA

- WEATHERFORD TECHNOLOGY HOLDINGS LLC [US]
- TI

- **CHOKE CONTROL** TUNED BY FLOW COEFFICIENT FOR CONTROLLED **PRESSURE DRILLING**
- AB

- A computerized **control** is used in controlling a **choke** when **drilling** a **wellbore** with a **drilling** system. The computerized **control** obtains a measured value of a parameter in the **drilling** system and controls the parameter in the **drilling** system using the **choke**. The computerized **control** obtains indications of an **error** between a set point of the parameter and the measured value of the parameter in the **drilling** system, a flow coefficient character of the **choke**, and a current **position** of the **choke**. Based on these indications, the computerized **control** then determines a **position** adjustment for the **choke** and adjusting the parameter in the **drilling** system by applying the **position** adjustment to the **choke**.