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7 Attorney for Plaintiff Cyber Instruments Technology, L.L.C.

8 **UNITED STATES DISTRICT COURT**
9 **DISTRICT OF ARIZONA**

10 Cyber Instruments Technology, L.L.C., an) Case No. _____
11 Arizona limited liability company,)

12 Plaintiff,)

13 **COMPLAINT FOR PATENT**
14 **INFRINGEMENT**

15 v.)

16 (Jury Trial Requested)

17 Brooks Instrument, L.L.C., a Delaware)
18 limited liability company,)

19 Defendant.)
20)
21)
22)

23 Plaintiff Cyber Instruments Technology, LLC (“Cyber”) hereby alleges
24 against Brooks Instrument, LLC (“Brooks”):

25 **I. THE PARTIES**

26 1. Plaintiff Cyber Instruments Technology, LLC is an Arizona limited
27 liability company with its principal place of business at 4920 West Dream Weaver
28 Lane, Prescott, AZ 86305.

2. On information and belief, Brooks Instrument, LLC is a Delaware
limited liability company having its principal place of business at 407 West Vine

1 Street, Hatfield, PA 19440. Brooks is a wholly owned subsidiary of Illinois Tool
2 Works Inc., a Delaware corporation having its principal place of business at 155
3 Harlem Avenue, Glenview, IL 60025 (“ITW”).

4 3. Cyber is the assignee of all right, title and interest in and to United
5 States Patent No. 6,119,710 (the “’710 Patent”) entitled “Method for Wide Range
6 Gas Flow with Real Time Flow Measurement and Correction.”

7 4. Cyber has the sole right to sue for the relief sought herein, including,
8 without limitation, injunctive relief and monetary damages.

9 5. A true and correct copy of the ’710 Patent is attached as Exhibit 1.

10 6. A true and correct copy of a website page from the United States
11 Patent and Trademark Office website showing the assignment of the ’710 Patent
12 to Cyber is attached as Exhibit 2.

13 7. Upon information and belief, Brooks has directly and/or indirectly
14 imported into the United States, made, used, sold, and/or offered for sale within
15 the United States mass flow controllers with real time flow measurement and
16 correction, including, but not limited to, the GF135 Mass Flow Controller.

17 8. Brooks’ mass flow controllers with real time flow measurement and
18 correction, such as the GF135 Mass Flow Controller, fall within the scope of at
19 least claims 1-3, 5, 7, 9, 13-15, 19, 21, 25, 26, and 28-33 of the ’710 Patent.

20 9. Upon information and belief, Brooks offers for sale, sells, installs,
21 consigns, and/or services mass flow controllers with real time flow measurement
22 and correction, such as the GF135 Mass Flow Controller, in Arizona directly
23 and/or through sales representatives such as Banner Industries of N.E., Inc.
24 (“Banner Industries”).

25 10. Upon information and belief, Brooks has had actual knowledge of the
26 ’710 Patent and actual knowledge that its activities constitute either direct or
27 indirect infringement of the ’710 Patent, yet Brooks has not ceased its infringing
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1 activities.

2 **II. JURISDICTION AND VENUE**

3 11. This is an action for patent infringement under the patent laws of the
4 United States, 35 U.S.C. §271.

5 12. Brooks has engaged, directly and indirectly, in activities that infringe
6 the '710 Patent

7 13. This Court has subject matter jurisdiction pursuant to 28 U.S.C. §§
8 1331 and 1338.

9 14. This Court has personal jurisdiction over Brooks. Brooks has
10 conducted and continues to conduct business within the State of Arizona. Brooks,
11 directly and/or through intermediaries (such as distributors and retailers, including
12 Banner Industries), imports, makes, uses, ships, distributes, offers for sale, sells,
13 consigns, installs, and/or advertises its mass flow controllers, including the GL135
14 Mass Flow Controller, that infringe the '710 Patent in the United States and the
15 State of Arizona.

16 15. Venue is proper in this Court pursuant to 28 U.S.C. §§ 1391 and
17 1400(b).

18 16. Brooks consigns, sells and offers to sell mass flow controllers that
19 infringe the '710 Patent, such as the GF135 Mass Flow Controller, in Arizona at
20 least through its sales representative, Banner Industries. Brooks' website,
21 www.brooksinstrument.com, offers to sell its products through a distributor. The
22 website allows customers to "Find a Rep" in order to purchase products. Brooks'
23 website directs customers in Arizona to purchase infringing mass flow controllers,
24 including the GL135 Mass Flow Controller, from Brooks' sales representative in
25 Arizona, Banner Industries, located at 8350 S. Kyrene Road, Unit 108, Tempe,
26 AZ 85284. Upon information and belief, Banner Industries is an agent of Brooks
27 and accepts on consignment, sells and offers to sell Brooks' infringing mass flow
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1 controllers, including the GL135 Mass Flow Controller, in Arizona. Brooks also
2 provides warranty services in Arizona to purchasers of Brooks infringing mass
3 flow controllers, including the GL135 Mass Flow Controller.

4 17. Brooks operates a website, www.brooksinstrument.com, that can be
5 accessed from Arizona and elsewhere and that, among other things, allows
6 customers (and potential customers) to review Brooks' "Products," which include
7 mass flow controllers with real time flow measurement and correction. In
8 addition, Banner Industries operates a website, www.bannerindustries.com, that
9 directly links to the aforementioned Brooks website.

10 **III. FACTUAL BACKGROUND**

11 **A. The Design and Development of the Real-Time Flow**
12 **Measurement and Correction Mass Flow Controller.**

13 18. The manager of Cyber, Timothy Brown, is an expert in the field of
14 semiconductor technologies with over 30 years of industry experience. In 1999,
15 Mr. Brown formed Cyber's predecessor, Cyber Instruments Technology ("Cyber
16 Instruments"), a California LLC, to focus on the idea of bringing self-calibrating
17 mass flow controller ("MFC") technology to the semiconductor industry. Mr.
18 Brown and Cyber Instruments applied for and obtained two patents for an
19 innovative improved real-time auto calibrating mass flow controller valve—the
20 '710 Patent and U.S. Patent No. 6,216,726. To substantiate the claims of these
21 patents, Cyber Instruments dedicated significant technical effort and money to
22 invent, design, and develop a working proof of concept prototype of an improved
23 real-time self-calibrating mass flow controller. The prototype demonstrated
24 performance attributes which exceeded Cyber Instruments' objectives. Between
25 1999 and 2000, Mr. Brown sought funding to manufacture and commercialize his
26 improved real-time mass flow controller prototype. Unfortunately, because of
27 existing financial conditions, the company never launched a commercial
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1 manufacturing operation. In 2009, Mr. Brown disbanded Cyber Instruments and
2 transferred the '710 Patent to the newly formed Cyber Instruments Technology, an
3 Arizona LLC ("Cyber").

4 19. Cyber Instruments' improved real-time mass flow controller,
5 embodied in the '710 Patent, represents a significant improvement over traditional
6 MFCs. Many industrial processes, such as semiconductor manufacturing, rely on
7 the accurate delivery of gasses to processing chambers. Semiconductor devices
8 are made up of alternating layers of various materials, constructed in patterns, to
9 create electronic circuits referred to as "chips." These chips are fabricated on thin
10 disks called silicon "wafers." An important step in creating these chips is known
11 as "diffusion." During diffusion, carefully controlled amounts of gases are passed
12 over the heated wafers. A specialized valve, known as a mass flow controller,
13 controls the amount of gas to which the silicon wafer is exposed. If the MFC goes
14 out of calibration, the wrong amount of gas enters the chamber and the wafers are
15 ruined. MFCs, also, are notoriously unreliable. Traditional MFCs must be
16 periodically removed from operation and calibrated by a technician, requiring that
17 the entire wafer fabrication line be shut down. Additionally, even with proper
18 maintenance, MFCs have periodic operation failures that can ruin entire batches of
19 wafers at a cost of tens of thousands of dollars.

20 20. To remedy the shortcomings of traditional MFCs, Cyber Instruments
21 developed an improved real-time mass flow controller with a built-in self-
22 calibration system that performs real-time, in-situ calibration of all gas flow
23 operations. The Cyber Instruments innovative real-time mass flow controller,
24 embodied in the '710 Patent, eliminates the need to shut down wafer fabrication
25 for MFC calibration and is orders of magnitude more accurate than traditional
26 MFCs, thus saving end-users significant time and money.

27 **B. Brooks Makes or Imports, Uses, Sells, and/or Offers for Sale**

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Mass Flow Controllers with Real-Time Flow Measurement and Correction Capabilities.

21. Brooks’ improved real-time mass flow controllers at issue include, but are not limited to, the Brooks GF135 Series Real-Time Flow Error Detection Metal Sealed Thermal Mass Flow Controllers (the “Accused Products”).

22. Upon information and belief, Brooks offers to sell, consigns and sells the Accused Products with real-time flow measurement and correction in Arizona through its sales representative and agent, Banner Industries:

Find a Sales Representative

Country: United States | City/State or Zip: Phoenix, AZ | Market: Semiconductor | Locate

1 Result found

Banner Industries
8350 S. Kyrene Road
Unit 108
Tempe AZ, 85284
Market: Semiconductor

www.bannerindustries.com
phone: 480-961-1111
fax: 480-961-1118

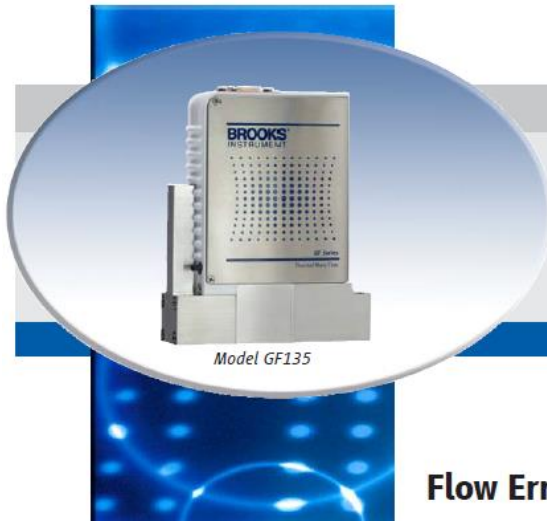
11.72 miles
Map and Directions

Email Rep

<http://www.brooksinstrument.com/about-us/sales-representative>

23. As show below, Brooks advertises the GF135 Mass Flow Controller, as a mass flow controller with real-time flow error detection:

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DS-TMF-GF135-MFC-eng
April, 2014

Data Sheet

GF135

Digital Mass Flow Controller

Thermal Mass Flow

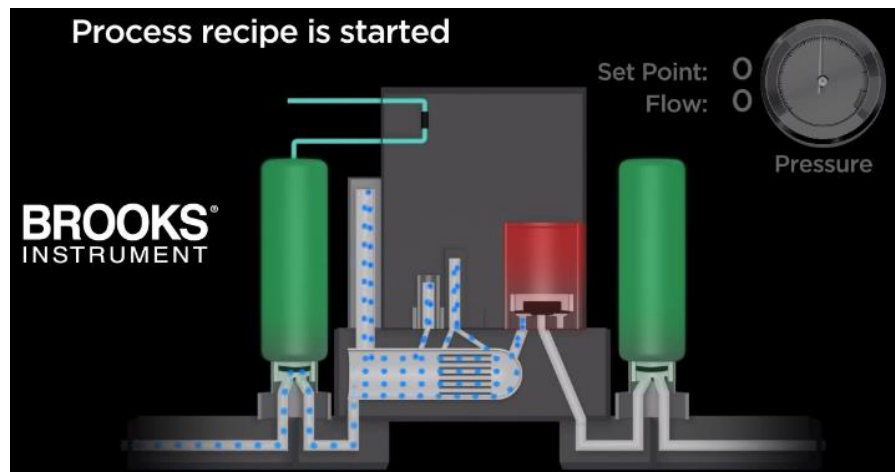
**Pressure Transient Insensitive
Mass Flow Controller with Real-Time
Flow Error Detection and Advanced Diagnostics**

Model GF135

10 <http://www.brooksinstrument.com/~media/Brooks/Documentation/Products/Mass%20Flow%20Controllers/Metal%20Sealed/GF135/mass-flow-controller-data-sheet-GF135.pdf?la=en>

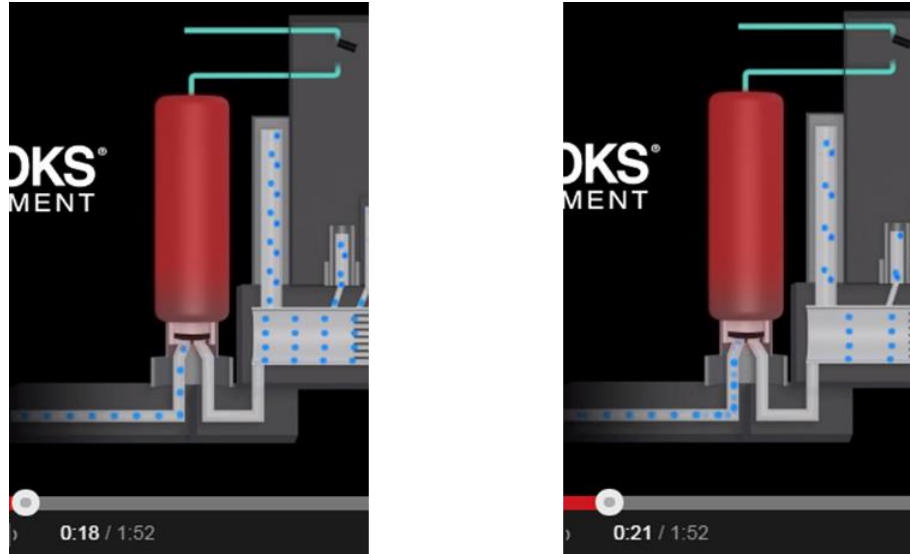
11
12 24. The GF135 “Installation & Operation Manual” further instructs
13 purchases how to install and use the GF135 Mass Flow Controller. (See
14 [http://www.brooksinstrument.com/~media/Brooks/Documentation/Products/Mass
15 %20Flow%20Controllers/Metal%20Sealed/GF100/mass-flow-controller-
16 installation-manual-GF100-GF101-GF120-GF121.pdf?la=en](http://www.brooksinstrument.com/~media/Brooks/Documentation/Products/Mass%20Flow%20Controllers/Metal%20Sealed/GF100/mass-flow-controller-installation-manual-GF100-GF101-GF120-GF121.pdf?la=en)).

17 25. As shown in the screen capture from the Brooks GF135 illustration
18 video, the Brooks GF135 Mass Flow Controller charges a calibration volume (the
19 leftmost gray cylinder) with a process gas (blue dots).



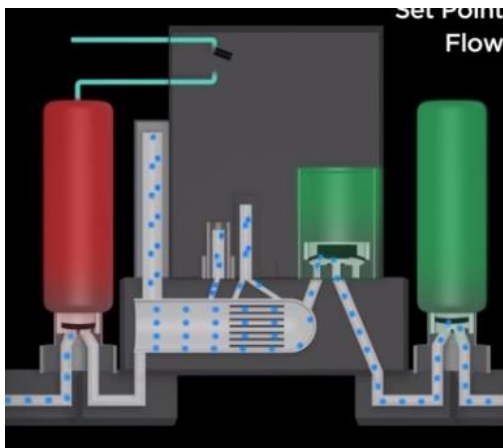
28 <https://www.youtube.com/watch?v=wF0x7GW5nzI&feature=youtu.be>

1
2 26. The Brooks GF135 illustration video next depicts the GF135 Mass
3 Flow Controller starting a flow of the process gas from the calibration volume into
4 a flow path.



14 <https://www.youtube.com/watch?v=wF0x7GW5nzI&feature=youtu.be>

15 27. As explained in the GF135 Mass Flow Controller data sheet, during
16 gas flow, “a highly accurate pressure measurement is taken while the gas is being
17 depleted from the inlet volume and an advanced signal processing algorithm
18 calculates ROD [Rate of Decay] flow rate in real time.” As can further be seen
19 from the following screenshot from the GF135 illustration video, the Brooks
20 GF135 Mass Flow Controller utilizes a thermal mass flow meter that includes a
21 bypass capillary as its primary mass flow sensor downstream of the calibration
22 volume.



<https://www.youtube.com/watch?v=wF0x7GW5nzi&feature=youtu.be>

28. As illustrated by the following excerpt from the GF135 Installation and Operation Manual, the capillary thermal mass flow sensors in the GF135 Mass Flow Controller generate sensor signals representative of mass flow, which are then used to compute the measured mass flow. The mass flow is proportional to the temperature differences of the temperature dependent resistance windings on the bypass capillary.

3-2 Theory of Operation for Flow Measurement

The thermal mass flow measurement system consists of two components: the restrictor or bypass and the flow sensor. Figure 3-1 is diagram of the flow stream through the device, with an enlarged view of the flow sensor. Gas flow entering the device is separated into two paths; one straight through the restrictor and the other through the flow sensor. This is represented in Figure 3-1, where the total flow $A+B$ enters the device and is separated into streams A and B . The streams are joined again at the far side of the restrictor.

The separation of the flow streams is caused by the restrictor. During flow conditions, there will be a pressure differential across the restrictor that forces gas to flow in the sensor.

The pressure difference caused by the restrictor varies linearly with total flow rate. The sensor has the same linear pressure difference versus flow relationship. The ratio of sensor flow to the flow through the restrictor remains constant over the range of the device ($A/B = \text{constant}$). The full scale flow rate of the device is established by selecting a restrictor with the correct pressure differential for the desired flow.

The flow sensor is a very narrow, thin-walled Hastelloy tube. Onto this tube are built upstream and downstream temperature sensing and heating elements. During no-flow conditions, the amount of heat reaching each temperature sensor is equal, so temperatures T_1 and T_2 (Figure 3-1) are equal. Gas flowing through the tube carries heat away from the upstream temperature sensor and toward the downstream sensor. The temperature difference, $T_2 - T_1$, is directly proportional to the gas mass flow. GF100 Series operating principles are described in Figure 3-1.

1 <http://www.brooksinstrument.com/~media/Brooks/Documentation/Products/Mass%20Flow%20Controllers/Metal%20Sealed/GF100/mass-flow-controller-installation-manual-GF100-GF101-GF120-GF121.pdf?la=en>
2

3 29. The GF135 Mass Flow Controller repeatedly utilizes sensors
4 downstream of the calibration volume to take pressure measurements and, using
5 the pressure measurements data, to compute a measured mass flow rate through a
6 flow restrictor path. Brooks states on its website that the GF135 Mass Flow
7 Controller “allows semiconductor manufacturers to verify process gas accuracy,
8 check valve leak-by and monitor sensor stability in real time without removing the
9 flow controller from the gas line.” The GF135 data sheet further states that the
10 GF135 “has patent pending real-time flow error detection” and that it uses the
11 pressure sensor to calculate “flow at various set points during wafer processing.”
12 This, according to the GF135 data sheet, allows the GF135 Mass Flow Controller
13 to provide “automated monitoring of flow rate changes.”

14 30. The GF135 Mass Flow Controller repeatedly and in real-time
15 measures the pressure and temperature of the gas in the calibration volume while
16 the device is in operation. As explained in the GF135 data sheet:

17 During wafer processing, the [GF135] automatically takes flow error
18 detection readings at each new process set point and compares the result to
19 the baseline. The proprietary ROD [Rate of Decay] measurement technique
20 momentarily stops the upstream delivery of gas from the tool supply while
21 maintaining flow into the process chamber at the requested flow rate. A
22 highly accurate pressure measurement is taken while the gas is being
23 depleted from the inlet volume and an advanced signal processing
24 algorithm calculates ROD flow rate in real time. Before the flow to the
25 process is affected by the diminishing pressure, the upstream supply is re-
26 established with no perturbation to the delivered flow.

27 <http://www.brooksinstrument.com/~media/Brooks/Documentation/Products/Mass%20Flow%20Controllers/Metal%20Sealed/GF135/mass-flow-controller-data-sheet-GF135.pdf?la=en>

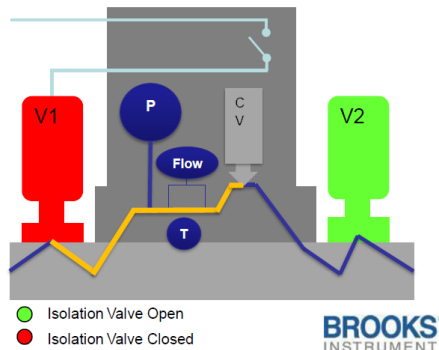
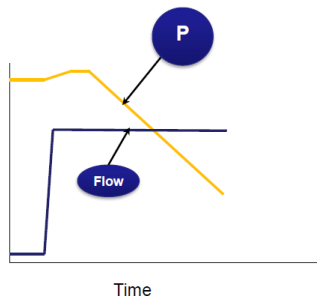
28 31. The process described above is further shown in the following screen

clip from a July 8, 2015 Brooks Presentation:

Brooks Approach to Multi-Sensor Self Diagnostics Currently Available in GF135 MFC

During stable process flow, the MFC:

1. Closes the upstream isolation valve (V1) using an integrated pilot valve.
2. Continues to precisely maintain flow while recording pressure, temperature and time.



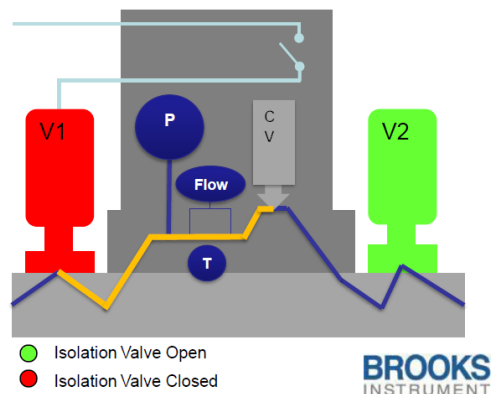
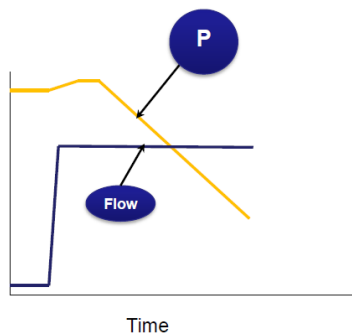
http://met-ri.lolipop.jp/SW2014/Variability%20Control/VC%20PDF/SW2014_Bill%20Valentine_Brooks%20Instrument.pdf

32. As explained above in paragraphs 30-31, and as shown below, the GF135 uses the time rate of change, denoted by “ROD” (rate of pressure decay), of the measured pressure to compute mass flow.

Brooks Approach to Multi-Sensor Self Diagnostics Currently Available in GF135 MFC

During stable process flow, the MFC:

1. Closes the upstream isolation valve (V1) using an integrated pilot valve.
2. Continues to precisely maintain flow while recording pressure, temperature and time.
3. Computes flow based on the rate of pressure decay (ROD) and compares this against baseline data recorded during installation on tool



1 http://met-ri.lolipop.jp/SW2014/Variability%20Control/VC%20PDF/SW2014_Bill%20Valentine_Brooks%20Instrument.pdf

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3 33. As show above in the figure following paragraph 32, the GF135
4 Mass Flow Controller determines whether there is any discrepancy between the
5 actual (calibration cycle) mass flow rate and the measured (from the thermal
6 capillary sensor used in normal process operation) mass flow rate by comparing
7 the time rate of pressure change (ROD) of the calibration volume to the GF135
8 installation baseline. The data sheet for the GF135 further explains that:

9 [b]y calculating flow at various set points during wafer processing, the
10 MFC detects any sensor or bypass clogging. It also detects if a sensor offset
11 is developing since the effects of clogging and drift manifest themselves
12 differently at different set points. The same method is used when the MFC
is given a zero set point to calculate valve leak.

13 <http://www.brooksinstrument.com/~media/Brooks/Documentation/Products/Mass%20Flow%20Controllers/Metal%20Sealed/GF135/mass-flow-controller-data-sheet-GF135.pdf?la=en>.

14
15 34. Finally, whenever a discrepancy is found, “[t]he MFC can report the
16 valve leak, sensor offset and flow offset to the tool through a documented
17 interface protocol, as well as auto-correcting itself if the user enables that feature.”
18 Additionally, “the MFC stores this data for one year and can report on the changes
19 using the historical data.”

20 35. As described above, Brooks GF135 Mass Flow Controller practices
21 at least one claim of the ’710 Patent.

22 **COUNT I: PATENT INFRINGEMENT OF THE ’710 PATENT**

23 36. Paragraphs 1-35 are incorporated by references as if fully stated
24 herein.

25 37. Brooks has been and is now directly infringing and/or indirectly
26 infringing the ’710 Patent by way of inducement and/or contributory
27 infringement, literally and/or under the Doctrine of Equivalents, in violation of 35
28

1 U.S.C. § 271, including by importing into the United States or making, using,
2 selling, consigning, and/or offering for sale in the United States infringing
3 products, namely the Accused Products and/or related services using the Accused
4 Products. As explained in paragraphs 38-44 below, these Accused Products and
5 related services are covered by at least one claim of the '710 Patent, including, but
6 not limited to, Claims 1-3, 5, 7, 9, 13-15, 19, 21, 25, 26, and 28-33. The Accused
7 Products have been designed, marketed, and sold to control mass flow with real
8 time flow measurement and correction and have no substantial non-infringing use.

9 38. Upon information and belief, Brooks derives revenue, directly and
10 indirectly, from the activities relating to the Accused Products, including their
11 importation, manufacture, use, sale and offer for sale.

12 39. The Accused Products measure mass flow in a gas delivery system
13 that provides real time flow measurement and correction.

14 40. The Accused Products, and in particular the GF135 Mass Flow
15 Controller, charge a calibration volume with a process gas, as outline in paragraph
16 25 above.

17 41. As shown above in paragraph 26, the Accused Products, and in
18 particular the GF135 Mass Flow Controller, start a flow of process gas from the
19 calibration volume into a flow path.

20 42. As show above in paragraphs 27-31, during gas flow, the Accused
21 Products, and in particular the GF135 Mass Flow Controller, repeatedly use at
22 least one sensor downstream of the calibration volume to take pressure
23 measurements and perform a computation process using data including the
24 pressure measurements to compute a measured mass flow rate through a flow
25 restrictor in the path.

26 43. As show in paragraphs 30-33, the Accused Products, and in particular
27 the GF135 Mass Flow Controller, repeatedly perform operations comprising:
28

1 measuring pressure and determining the temperature of the gas in the calibration
2 volume, using a time rate of change of the measured pressure and the determined
3 temperature to compute an actual mass flow rate of gas flowing from the
4 calibration volume, and determining whether there is any discrepancy between the
5 actual mass flow rate and the measured mass flow rate.

6 44. As shown above in paragraph 34, whenever a discrepancy is found,
7 the Accused Products, and in particular the GF135 Mass Flow Controller, correct
8 the computational process such that the measured mass flow rate matches the
9 actual mass flow rate thereby eliminating the discrepancy.

10 45. Upon information and belief, Brooks has activated and used the
11 Accused Products, and in particular the GF135 Mass Flow Controller, in an
12 infringing manner at least through testing the Accused Products to determine
13 performance and other product specification.

14 46. Upon information and belief, Brooks has had actual knowledge of the
15 '710 Patent and actual knowledge that its activities constitute either direct or
16 indirect infringement of the '710 Patent, yet it has not ceased infringing activities.
17 Brooks' infringement of the '710 Patent has been and continues to be willful and
18 deliberate. Brooks also has knowledge of the '710 Patent by way of this
19 complaint and, to the extent it does not cease infringing activities; Brooks'
20 infringement is and continues to be willful and deliberate.

21 47. Brooks has and continues to indirectly infringe the '710 Patent by
22 inducing infringement by others, in accordance with 35 U.S.C. § 271(b) in this
23 District and elsewhere in the United States.

24 48. Upon information and belief, Brooks, its manufacturers, resellers,
25 distributors, and end-users of the Accused Products each have engaged in and
26 currently engage in activities that constitute direct infringement of one or more
27 claims of the '710 Patent.

1 49. For example and without limitation, as explained in paragraphs 21-34
2 above, operation and use of the Accused Products infringes one or more claims of
3 the '710 Patent. The use and operation of these Accused Products by Brooks, its
4 resellers, manufacturers, distributors, and/or end-user customers constitutes a
5 direct infringement of one or more claims of the '710 Patent.

6 50. Brooks' affirmative acts of selling, offering to sell, or consigning the
7 Accused Products, causing the Accused Products to be manufactured, and
8 providing instruction manuals and support services for the Accused Products (as
9 show above in paragraph 24) have induced and continue to induce Brooks'
10 manufacturers, resellers, distributors and end-user customers to make or use the
11 Accused Products in their normal and customary way to infringe the '710 Patent.

12 51. Through its manufacture and sale or consignment of the Accused
13 Products, Brooks specifically intends that its manufacturers, resellers, distributors,
14 and end-user customers directly infringe one or more claims of the '710 Patent.
15 Brooks has knowledge of the '710 Patent and actually induces others, such as
16 resellers, manufacturers, distributors, and end-user customers, to directly infringe,
17 by using, making, selling, consigning, exporting, supplying and/or distributing
18 within the United States the Accused Products, such as resellers, distributors and
19 end-user customers. Brooks is aware that such actions induce actual infringement.
20 Further, Brooks remains aware that these normal and customary activities would
21 infringe the '710 Patent.

22 52. For example and without limitation, in connection with its sale,
23 offering to sell, consignment, importation into the United States, and distribution
24 within the United States of the Accused Products, as show in paragraphs 21-24,
25 Brooks willfully provides manuals and support services to resellers, distributors
26 and end-user customers regarding the use and operation of Accused Products in a
27 way that infringes the '710 Patent. When resellers, distributors and end-user
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1 customers follow instructions and/or support services provided by Brooks
2 regarding the use of the Accused Products, they directly infringe the '710 Patent.
3 Brooks knows or should know that by willfully providing such instructions and
4 support services, the resellers, distributors, and end-user customers, in following
5 those instructions and support services, directly infringe the '710 Patent.

6 53. Accordingly, Brooks has performed and continues to perform the acts
7 that constitute induced infringement, and that induce actual infringement, with the
8 knowledge of the '710 Patent and with the knowledge or willful blindness to the
9 fact that the induced acts constitute direct infringement.

10 54. Brooks indirectly infringes one or more claims of the '710 Patent by
11 contributing to infringement by others, such as manufacturers, resellers,
12 distributors, and end-user customers, in accordance with 35 U.S.C. § 271(c).

13 55. As explained above, Brooks, its manufacturers, resellers, distributors,
14 and end-user customers of the Accused Products each use and operate the
15 Accused Products in a manner that directly infringes one or more claims of the
16 '710 Patent.

17 56. As shown in paragraphs 21-34 above, the Accused Products
18 incorporate functionality that directly infringes one or more claims of the '710
19 Patent, and the associated hardware and software that Brooks configures, installs,
20 and includes in the Accused Products to perform the function of measuring mass
21 flow in a gas delivery system directly infringe one or more claims of the '710
22 Patent. On information and belief, these functions cannot operate in an acceptable
23 manner absent the hardware and software that Brooks configures, installs, and
24 includes in the Accused Products for the specific purpose of performing such
25 functions. On information and belief, Brooks has designed, manufactured, had
26 manufactured, configured, and installed such software and hardware in the
27 Accused Products to entice users of the Accused Products to use the Accused
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1 Products in a manner that directly infringes one or more claims of the '710 Patent.

2 57. The functionality and associated hardware and software of the
3 Accused Products, as described in paragraphs 21-34 above, do not constitute
4 staple articles or commodities of commerce. Moreover, use of the functionality
5 and associated hardware and software of the Accused Products is required for the
6 operation of the Accused Products. Any other use of the functionality and
7 associated hardware and software of the Accused Products would be unusual, far-
8 fetched, illusory, impractical, occasional, aberrant, or experimental.

9 58. The functionality and associated hardware and software of the
10 Accused Products, as described in paragraphs 21-34 above, are all material parts
11 of the invention of the '710 Patent, are especially made for the infringing
12 manufacture, sale, and use of the Accused Products, and have no substantial non-
13 infringing use.

14 59. Accordingly, Brooks offers to sell or sells within the United States a
15 component of a patented machine, manufacture, combination, or composition, or a
16 material or apparatus for use in practicing the '710 Patent, constituting a material
17 part of the invention, knowing the same to be especially made or especially
18 adapted for use in an infringement of the '710 Patent, and not a staple article or
19 commodity of commerce suitable for substantial non-infringing use.

20 60. Brooks, by way of its infringing activities outline above, has caused
21 and continues to cause Cyber to suffer damages, the exact amount to be
22 determined at trial

23 **PRAYER FOR RELIEF**

24 61. WHEREFOR, Cyber requests the Court grant the following relief in
25 their favor and against Brooks:

26 62. A judgment in favor of Cyber that Brooks has infringed, directly and
27 indirectly, by way of inducement and/or contributory infringement, literally and/or
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1 under the doctrine of equivalents, one or more claims of the '710 Patent;

2 63. A preliminary and permanent injunction, enjoining Brooks and their
3 officers, directors, agents, servants, employees, affiliates, divisions, branches,
4 subsidiaries, parents, and all others acting in concert or privity with any of them
5 from infringing, inducing the infringement of, or contributing to the infringement
6 of the '710 Patent;

7 64. An award of damages to which Cyber is entitled under 35 U.S.C. §
8 284 for Brooks' past infringement and any continuing or infringement post-trial
9 up until the date Brooks is finally and permanently enjoined from further
10 infringement and a final judgment is entered, including both compensatory
11 damages and treble damages for willful infringement;

12 65. A judgment and order requiring Brooks to pay the costs of this action
13 (including all disbursements), as well as attorneys' fees as provided by 35 U.S.C.
14 § 285;

15 66. A judgment and order requiring that, in the event a permanent
16 injunction preventing future infringement is not granted, Brooks pay to Cyber
17 compulsory ongoing licensing fees, as determined by the Court in equity; and

18 67. Such other and further relief in law or in equity to which Cyber may
19 be justly entitled.

20 **DEMAND FOR JURY TRIAL**

21 Cyber demands a trial by jury of any and all issues triable of right before a
22 jury, except for future patent infringement, which is an issue in equity to be
23 determined by the Court.

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1 DATED: JULY 14 2016

/s/ Albert L. Underhill

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