

CLAIMS

What is claimed is:

1. A system, comprising:

a first computer system disposed at a first fluid handling site, the first fluid handling site comprising a first pump, a first valve, and a first tank that handle a first fluid, the first tank having a first fluid-level sensor with which the first computer system is configured to communicate to obtain a level of the first fluid in the first tank, and the first computer system being configured to provide remote control of the first pump or the first valve; and

a server system remote from the fluid handling site, wherein the server system has memory storing instructions that, when executed, effectuate operations comprising:

receiving, with the server system, from the first computer, via a network, a first fluid level sensed by the fluid-level sensor;

obtaining, with the server system, credentials from a first client computing device;

determining, with the server system, based on the credentials, that a user of the first client computing device is authorized to interact with the first fluid handling site, wherein the server system hosts data about other fluid handling sites the user is not authorized to interact;

after the determination, providing, with the server system, via the network, information by which a first client computing device presents a user interface indicating the first fluid level, the first client computing device being remote from the server system and the first computer system;

receiving, with the server system, from the first client computing device, a first command to change a state of the first pump; and

causing, with the server system, the first computer system disposed at the first fluid handling site to effectuate the command by changing the state of the first pump to a sequence of different target states that change over time.

2. The system of claim 1, wherein:

the first fluid handling site comprises a second pump and a second tank that handle a second fluid, the second tank having a second fluid-level sensor with which the first computer system is configured to communicate to obtain a level of the second fluid in the second tank, and the first computer system being configured to provide remote control of the second pump.

3. The system of claim 2, comprising:

the first tank, the first pump, the first valve, the second tank, and the second pump, wherein the first fluid is water and the second fluid is oil, wherein the first tank or the second tank is an oil/water separation tank.

4. The system of claim 1, wherein:

the sequence of different target states that change over time are configured to ramp up or down a speed of the first pump.

5. The system of claim 1, wherein:

the sequence of different target states that change over time are determined with steps for mitigating shocks to up-stream or down-stream fluid-handling devices relative to the first pump.

6. The system of claim 1, wherein:

at least some of the sequence of different target states that change over time are determined by the first computer system in response to a rate of change in the level of the first fluid in the first tank.

7. The system of claim 1, wherein:

the server system is configured to interface with both a web browser on the client computing device and a special-purpose application executing on the client computing device to present the user interface indicating the first fluid level.

8. The system of claim 1, wherein:

the first computer system is configured to communicate with the server system via a cellular wireless connection.

9. The system of claim 1, wherein the first computer system is configured to translate a plurality of commands from the server system, including the command, from an input format to a plurality of different formats and protocols configured to effectuate changes in states of a plurality of different fluid-handling devices at the first fluid handling site, the different fluid-handling devices including the first pump or the first valve.

10. The system of claim 9, wherein translating the plurality of commands comprises steps for translating commands.

11. The system of claim 9, wherein the plurality of different formats and protocols comprise:

modbus protocol; and

analog electrical signals.

12. The system of claim 9, wherein at least some of the plurality of different fluid-handling devices comprise proportional-integral-derivative controllers configured to drive respective fluid-handling devices to different target setpoints determined by the first computer system responsive to corresponding commands from the server system.

13. The system of claim 9, wherein:

the first computer system is coupled to at least some of the plurality of different fluid handling devices via a bus; and

the first computer system comprises means for controlling which fluid handling devices are permitted to transmit signals on the bus at a given point in time.

14. The system of claim 9, wherein the plurality of different formats and protocols comprise three different protocols communicated over three different types of control busses to corresponding fluid handling devices among the plurality of different fluid handling devices.

15. The system of claim 9, wherein two of the plurality of different formats and protocols comprise binary frames with redundant bits used to detect errors.

16. The system of claim 9, wherein the plurality of different formats and protocols comprise command code format, an on-off signal format, and an application-program interface format.

17. The system of claim 9, wherein the first computer system is configured to operate in an automatic mode, a mixed automatic mode, and a manual mode.

18. The system of claim 17, wherein the automatic mode comprise executing s process recipe in which a collection of set points are targeted.

19. The system of claim 9, wherein translating the plurality of commands comprises steps for identifying protocols and control busses.

20. The system of claim 1, wherein the first computer system comprises a protocol multiplexer.

Notice of References Cited	Application/Control No. 18/658,724		Applicant(s)/Patent Under Reexamination Phillips, Aaron	
	Examiner CHRISTOPHER E EVERETT		Art Unit 2116	Page 1 of 2

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*	B	US-20020156837-A1	2002-10-24	Batke, Brian A.	H04L69/162	700/2
*	C	US-20150308244-A1	2015-10-29	Cardamone; David P.	E21B47/008	700/282
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	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 18/658,724		Applicant(s)/Patent Under Reexamination Phillips, Aaron	
	Examiner CHRISTOPHER E EVERETT		Art Unit 2116	Page 2 of 2

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*	A	US-9709995-B2	2017-07-18	Gutierrez; Francisco M.	G05B15/02	1/1
*	B	US-5149443-A	1992-09-22	Varnam; O'Neal	E02B15/046	210/776
*	C	US-6967589-B1	2005-11-22	Peters; George W.	E21B47/00	340/854.6
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			EVERETT, CHRISTOPHER E	
			ART UNIT	PAPER NUMBER
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			NOTIFICATION DATE	DELIVERY MODE
			11/21/2024	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docket_ip@pillsburylaw.com

DETAILED ACTION

Claims 1-20 are pending.

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis (i.e., changing from AIA to pre-AIA) for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

Claim Objections

Claim 18 is objected to because of the following informalities: “executing s process recipe” is recited and should be “executing [[s]] a process recipe”. Appropriate correction is required.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*,

140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The filing of a terminal disclaimer by itself is not a complete reply to a nonstatutory double patenting (NSDP) rejection. A complete reply requires that the terminal disclaimer be accompanied by a reply requesting reconsideration of the prior Office action. Even where the NSDP rejection is provisional the reply must be complete. See MPEP § 804, subsection I.B.1. For a reply to a non-final Office action, see 37 CFR 1.111(a). For a reply to final Office action, see 37 CFR 1.113(c). A request for reconsideration while not provided for in 37 CFR 1.113(c) may be filed after final for consideration. See MPEP §§ 706.07(e) and 714.13.

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The actual filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely

online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/apply/applying-online/eterminal-disclaimer.

Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-16 of U.S. Patent No. 12,019,461, claims 1-15 and 17 of U.S. Patent No. 11,726,504, and claims 1-20 of U.S. Patent No. 11,294,403. Although the claims at issue are not identical, they are not patentably distinct from each other as outlined below.

App. No. 18/658721	U.S. Patent No. 12,019,461	U.S. Patent No. 11,726,504	U.S. Patent No. 11,294,403
Claim 1	Claim 1	Claim 1	Claim 1
Claim 2		Claim 17	Claim 2
Claim 3			Claim 3
Claim 4	Claim 2	Claim 2	Claim 4
Claim 5	Claim 3	Claim 3	Claim 5
Claim 6	Claim 4	Claim 4	Claim 6
Claim 7	Claim 5	Claim 5	Claim 7
Claim 8	Claim 6	Claim 6	Claim 8
Claim 9	Claim 7	Claim 7	Claim 9
Claim 10	Claim 8	Claim 8	Claim 10
Claim 11	Claim 9	Claim 9	Claim 11
Claim 12	Claim 10	Claim 10	Claim 12

Claim 13	Claim 11	Claim 11	Claim 13
Claim 14	Claim 12	Claim 12	Claim 14
Claim 15	Claim 16		Claim 15
Claim 16	Claim 13	Claim 13	Claim 16
Claim 17	Claim 14	Claim 14	Claim 17
Claim 18			Claim 18
Claim 19	Claim 15	Claim 15	Claim 19
Claim 20			Claim 20

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTOPHER E EVERETT whose telephone number is (571)272-2851. The examiner can normally be reached Monday-Friday 8:00 am to 5:00 pm (Eastern).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah can be reached on 571-272-2279. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Christopher E. Everett/
Primary Examiner, Art Unit 2116

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First-named inventor:	§	
Aaron Phillips	§	Group Art Unit: 2116
	§	Confirmation No.: 6780
Serial No.: 18/658,724	§	Examiner: CHRISTOPHER E
		EVERETT
Filed: 05/08/2024	§	
	§	
For: REMOTE CONTROL OF FLUID-	§	Atty. Docket: 034392-0579591
HANDLING DEVICES	§	

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CERTIFICATE OF TRANSMISSION OR MAILING 37 C.F.R. 1.8	
I hereby certify that this correspondence is being transmitted by facsimile to the United States Patent and Trademark Office in accordance with 37 C.F.R. § 1.6(d), or is being transmitted via the Office electronic filing system in accordance with 37 C.F.R. § 1.6(a)(4), or is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:	
13 December 2024	/Josh Tucker/
Date	Josh Tucker, reg. 63809

Commissioner:

AMENDMENT AND RESPONSE
TO OFFICE ACTION ISSUED ON 21 NOVEMBER 2024

In response to the above-noted office action, Applicant amends and remarks as follows.

Authorization for Extensions of Time and Payment of Fees

In accordance with 37 C.F.R. § 1.136, Applicant hereby provides a general authorization to treat this and any future reply requiring an extension of time as incorporating a request thereof. The Commissioner is authorized to charge any additional fees that may be required to deposit account no. 033975, referencing the above attorney docket number.

AMENDMENTS TO THE CLAIMS

The following is a complete listing of the claims, which replaces all previous versions and listings of the claims.

1-20. (Canceled)

21. (new) A tangible, non-transitory, machine-readable medium storing instructions that, when executed by one or more processors, effectuate operations comprising:

receiving, with a first computing system, via a network interface, a plurality of commands encoded in a first protocol to control a plurality of different fluid-handling devices at a fluid-handling site, different commands among the plurality of commands being directed to different fluid handling devices among the plurality of fluid-handling devices, wherein:

the plurality of commands are responsive to inputs to a command interface presented on a remote user computing device, and

the plurality of commands are received after determining that a user of the remote user computing device is authorized to issue commands to the first computing system based on a user account that indicates the user is authorized to issue commands to the first computing system, the user account being accessed from a data store;

for at least some of the plurality of commands, determining, with the first computing system, a plurality of different target states of a given one of the fluid-handling devices over time, wherein the first computing system is operative to maintain control of the fluid handling devices in an absence of an external network connection;

translating, with the first computing system, the plurality of commands into translated commands encoded in a plurality of protocols different from the first protocol, at least some of the translated commands being operative to cause a local controller of the given fluid-handling device to the plurality of different target states, and the local controller being responsive to the at least some of the translated commands and feedback

from the given fluid-handling device, the feedback being indicative of whether the given fluid-handling device is in targeted states among the plurality of different target states;

sending, with the first computing system, the translated commands to the local controllers;

obtaining, with the first computing system, site data and storing the site data in a report buffer of the first computing system such that the site data in the report buffer is not lost in the absence of the network connection, the site data including alarms, measurements from sensors, or other data associated with the fluid-handling site or associated with at least some of the plurality of fluid-handling devices;

sending, with the first computing system, the site data stored in the report buffer to a remote second computing system.

22. (new) The medium of claim 21, wherein:

other user accounts in the data store indicate other users are not authorized to issue commands to the first computing system; and

the other user accounts indicate the other users are authorized to view reports from the first computing system.

23. (new) The medium of claim 21, wherein sending is in response to a pull command from the second computing system.

24. (new) The medium of claim 21, wherein sending comprises determining, with the first computing system, to push the site data in the report buffer and, in response, pushing the site data in the report buffer to the second computing system.

25. (new) The medium of claim 21, wherein obtaining the site data comprises:
polling, with the first computing system, sensors of the fluid handling site.

26. (new) The medium of claim 21, wherein obtaining the site data comprises:
accessing, with the first computing system, an alarm log from one of the plurality
of fluid handling devices via a control bus.
27. (new) The medium of claim 21, the operations comprising:
after a predetermined period of time has elapsed after sending the site data,
sending newer site data stored in the report buffer to the remote second computing
system.
28. (new) The medium of claim 21, wherein data stored in the report buffer is
periodically sent to the remote second computing system.
29. (new) The medium of claim 21, wherein the site data is obtained while network
access to the remote second computing system is intermittently ceased, and wherein
sending the site data occurs after network access to the remote second computing system
has been restored.
30. (new) The medium of claim 21, wherein the fluid-handling site comprises an oil
well, a petro water disposal or re-injection facility, or a petroleum pumping station.
31. (new) The medium of claim 21, wherein the fluid-handling site is a water
handling facility.
32. (new) The medium of claim 21, the operations further comprising:
detecting a leak from a signal based on a fluid-level sensor of a tank at the fluid
handling site.

33. (new) The medium of claim 21, wherein one of the plurality of fluid handling devices comprises an oil/water separation tank configured to separate oil from water, and wherein the plurality of commands comprises a command operative to change a level of the oil/water separation tank at which oil meets water.

34. (new) The medium of claim 21, wherein:
one of the plurality of different target states that change over time is determined by the first computing system in response to a rate of change in a level of a fluid in a tank.

35. (new) The medium of claim 21, wherein:
some of the plurality of different target states that change over time are operative to ramp up or down speed of a motor to mitigate shocks to up-stream or down-stream fluid-handling devices.

36. (new) The medium of claim 21, wherein the first computing system has an automatic mode.

37. (new) The medium of claim 21, wherein the first computing system has a mixed automatic mode.

38. (new) The medium of claim 21, comprising:
prior to sending at least some of the translated commands, checking the at least some of the translated commands or their corresponding received commands for validity based on a current condition of the fluid-handling site to prevent a commanded action from harming the plurality of fluid-handling devices.

39. (new) The medium of claim 38, wherein checking for validity comprises checking against a maximum or minimum liquid level for a tank.

40. (new) The medium of claim 21, wherein translating abstracts details of site-specific implementation of the first computing system.

41. (new) The medium of claim 21, wherein:
the first computing system comprises a site master controller located at the fluid-handling site; and
the second computing system comprises a command center server in communication with a plurality of other site master controllers at a plurality of other fluid-handling sites.

42. (new) The medium of claim 21, wherein the command interface is presented on in a web browser executing on the remote user computing device.

43. (new) The medium of claim 21, wherein:
after pushing, receiving another command configured to instruct a feed-forward-controlled fluid-handling device among the plurality of fluid-handling devices to adjust to attain a target state, the feedforward control being based on a table or formula applied by a local controller of the feed-forward-controlled fluid-handling device; and
the operations comprise:
translating the other command to produce a translated command and
sending the translated command to the feed-forward-controlled fluid-handling device;
obtaining sensor data characterizing a response of the feed-forward-controlled fluid-handling device to the translated command; and
determining, by the first computing system, to send another command to the feed-forward-controlled fluid-handling device to make a further adjustment based on the sensor data characterizing the response.

44. (new) The medium of claim 21, wherein:
a given command among the plurality of commands is configured to instruct one

of the fluid-handling devices among the plurality of fluid-handling devices to adjust to attain another target state; and

the operations comprise:

translating the given command to produce a translated command and sending the translated command to the one of the fluid-handling devices;

obtaining sensor data characterizing a response of the one of the fluid-handling devices to the translated command; and

determining, by the first computing system, to send another command to the one of the fluid-handling devices to make a further adjustment based on the sensor data characterizing the response.

45. (new) The medium of claim 21, the operations further comprising:

exercising feedback control, by the first computing system, of one of the fluid-handling devices among the plurality of fluid-handling devices based on first sensor data by adjusting a target sent to a local controller of the one of the fluid-handling devices.

46. (new) The medium of claim 45, wherein the local controller also exercises feedback control of a state of the one of the fluid-handling devices using proportional-integral-derivative control.

47. (new) The medium of claim 21, the operations further comprising:

exercising feedback control, by the first computing system, of a first fluid-handling device among the plurality of fluid handling devices based on first sensor data by adjusting a first target state sent to a first local controller of the first fluid-handling device, the first local controller also exercising feedback control of the first fluid-handling device; and

exercising feedback control, by the first computing system, of a second fluid-handling device based on second sensor data by adjusting a second target state sent to a

second local controller of the second fluid-handing device, the second local controller exercising feedforward control of second the fluid-handling device.

48. (new) The medium of claim 21, the operations further comprising:
after sending the translated commands, obtaining, with the first computing system, sensor data from the given fluid-handling device among the plurality of fluid-handling devices and confirming, with the first computing system, that at least some of the translated commands were executed based on the received sensor data.

49. (new) The medium of claim 21, the operations comprising:
steps for exercising remote control of the fluid-handling devices.

50. (new) A system, comprising:
a plurality of fluid handling devices; and
a first computing system communicatively coupled to the plurality of fluid handling devices, the first computing system storing instructions that, when executed by the first computing system, effectuate operations comprising:
receiving, with a first computing system, via a network interface, a plurality of commands encoded in a first protocol to control a plurality of different fluid-handling devices at a fluid-handling site, different commands among the plurality of commands being directed to different fluid handling devices among the plurality of fluid-handling devices, wherein:

the plurality of commands are responsive to inputs to a command interface presented on a remote user computing device, and

the plurality of commands are received after determining that a user of the remote user computing device is authorized to issue commands to the first computing system based on a user account that indicates the user is authorized to issue commands to the first computing system, the user account being accessed from a data store;

for at least some of the plurality of commands, determining, with the first computing system, a plurality of different target states of a given one of the fluid-handling devices over time, wherein the first computing system is operative to maintain control of the fluid handling devices in an absence of an external network connection;

translating, with the first computing system, the plurality of commands into translated commands encoded in a plurality of protocols different from the first protocol, at least some of the translated commands being operative to cause a local controller of the given fluid-handling device to the plurality of different target states, and the local controller being responsive to the at least some of the translated commands and feedback from the given fluid-handling device, the feedback being indicative of whether the given fluid-handling device is in targeted states among the plurality of different target states;

sending, with the first computing system, the translated commands to the local controllers;

obtaining, with the first computing system, site data and storing the site data in a report buffer of the first computing system such that the site data in the report buffer is not lost in the absence of the network connection, the site data including alarms, measurements from sensors, or other data associated with the fluid-handling site or associated with at least some of the plurality of fluid-handling devices;

sending, with the first computing system, the site data stored in the report buffer to a remote second computing system.

51. (new) A system, comprising:

- a fluid-handling site;
- a plurality of fluid handling devices at the fluid-handling site; and
- a first computing system communicatively coupled to the plurality of fluid handling devices, the first computing system storing instructions that, when executed by the first computing system, effectuate operations comprising:

- receiving, with a first computing system, via a network interface, a

plurality of commands encoded in a first protocol to control a plurality of different fluid-handling devices at a fluid-handling site, different commands among the plurality of commands being directed to different fluid handling devices among the plurality of fluid-handling devices, wherein:

the plurality of commands are responsive to inputs to a command interface presented on a remote user computing device, and

the plurality of commands are received after determining that a user of the remote user computing device is authorized to issue commands to the first computing system based on a user account that indicates the user is authorized to issue commands to the first computing system, the user account being accessed from a data store;

for at least some of the plurality of commands, determining, with the first computing system, a plurality of different target states of a given one of the fluid-handling devices over time, wherein the first computing system is operative to maintain control of the fluid handling devices in an absence of an external network connection;

translating, with the first computing system, the plurality of commands into translated commands encoded in a plurality of protocols different from the first protocol, at least some of the translated commands being operative to cause a local controller of the given fluid-handling device to the plurality of different target states, and the local controller being responsive to the at least some of the translated commands and feedback from the given fluid-handling device, the feedback being indicative of whether the given fluid-handling device is in targeted states among the plurality of different target states;

sending, with the first computing system, the translated commands to the local controllers;

obtaining, with the first computing system, site data and storing the site data in a report buffer of the first computing system such that the site data in the report buffer is not lost in the absence of the network connection, the site data including alarms, measurements from sensors, or other data associated with the fluid-handling site or associated with at least some of the plurality of fluid-handling devices;

sending, with the first computing system, the site data stored in the report buffer to a remote command center server, wherein:

other user accounts in the data store indicate other users are not authorized to issue commands to the first computing system;

the other user accounts indicate the other users are authorized to view reports from the first computing system;

the site data stored in the report buffer comprises a sensor measurement of the fluid handling site and an alarm;

the site data is obtained while network access to the remote command center server is intermittently ceased, and wherein sending the site data occurs after network access to the remote command center server is intermittently ceased;

translating abstracts details of site-specific implementation of the first computing system;

a given command among the plurality of commands is configured to instruct the given fluid-handling device to adjust to attain another target state; and

the operations further comprise:

translating the given command to produce another translated command and sending the other translated command to the given fluid-handling device;

obtaining sensor data characterizing a response of the given fluid-handling device to the other translated command; and

determining, by the first computing system, to send a further command to the given fluid-handling device to make a further adjustment based on the sensor data characterizing the response.

REMARKS

In the office action, the Examiner rejected claims 1-20. By this response, Applicant cancels claims 1-20 and adds new claims 21-51. Upon entry of these amendments, claims 21-51 are pending in the present application and are believed to be in condition for allowance. These amendments do not introduce new matter and are fully supported by the original disclosure. In view of the foregoing amendments and the following remarks, Applicant respectfully requests consideration and allowance of all pending claims.

Double Patenting

In the office action, the claims were rejected on the ground of non-statutory double patenting as being unpatentable over claims in US Patent 12019461, US Patent 11726504, and US Patent 11294403. Without conceding the merits of this rejection solely to expedite allowance, applicant is filing a terminal disclaimer herewith to moot the issue. Applicant respectfully asks that the rejection be withdrawn.

Reservation of Arguments

Above, Applicant identifies reasons why the present rejections should not be applied to the pending claims. This explanation, however, should not be construed as an admission that other features of the claims beyond those discussed, including the combination of claim features, are taught or suggested by the cited art, or that the rejections are otherwise proper. In the interest of brevity, Applicant has refrained from providing an exhaustive explanation of every basis for allowing the claims. Accordingly, Applicant reserves the right to identify other grounds for overcoming the present rejections and the cited art, and Applicant reiterates that the amendments and arguments above are made without prejudice, including to rights available under the doctrine of equivalents.

Moreover, Applicant stresses that many terms in the claims are defined within the claim itself. Particularly where bespoke noun phrases are used, Applicant has sought to embed the characteristics of their referent relevant to the claim in the claim itself. As such, use of such noun phrases (e.g., those having a meaning particular to the document at hand)

should not be taken as an invitation to import limitations from the specification when the relevant limitations are already recited in the claim itself.

Conclusion

Applicant respectfully submits that all pending claims should be in condition for allowance. However, if the Examiner believes certain amendments are necessary to clarify the present claims or if the Examiner wishes to resolve any other issues by way of a telephone conference, the Examiner is kindly invited to contact the undersigned attorney at the telephone number indicated below.

Respectfully submitted,

Date: 13 December 2024

/Josh L Tucker/

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TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR PATENT

APPLICATION # 18658724	FILING DATE 05/08/2024	FIRST NAMED INVENTOR Aaron Phillips	ATTORNEY DOCKET # 034392-0579591
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Title of Invention

REMOTE CONTROL OF FLUID-HANDLING DEVICES



Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action



This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent interest
SitePro, Inc.	100%
Total	100%

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number(s)

Application #	Filing Date
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as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

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Patent #
12019461
11726504
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- expires for failure to pay a maintenance fee;
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Terminal disclaimer fee under 37 CFR 1.20(d) included with Electronic Terminal Disclaimer request.

Applicant claims the following entity status:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I certify, in accordance with 37 CFR 1.4(d)(4) that I am: An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Signature	Name	Registration #
/Joshua Tucker/	Joshua Tucker	63809

* Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner). Form PTO/SB/96 may be used for making this certification. See MPEP 324.



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APPROVAL LETTER

APPLICATION #
18/658,724

FILING DATE
05/08/2024

APPLICANT/PATENT UNDER REEXAMINATION
Aaron Phillips

Title of Invention

REMOTE CONTROL OF FLUID-HANDLING DEVICES

Electronic terminal disclaimer filed on 12/13/2024

 Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved

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	30	Copy of Final Office Action for Application No. 14/147,190 (034392-0437466) dated March 18, 2015, pages 1-82.	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		18658724
	Filing Date		2024-05-08
	First Named Inventor	Aaron Phillips	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	034392-0579591	

31	Copy of Notice of Allowance for Application No. 14/147,190 (034392-0437466) dated September 29, 2015, pages 1-13.	☐
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36	Copy of Notice of Allowance for Application No. 15/867,077 (034392-0456380) dated July 18, 2019, pages 1-10.	☐
37	Copy of Non-Final Office Action for Application No. 16/656,319 (034392-0508266) dated February 23, 2021, pages 1-55.	☐
38	Copy of Notice of Allowance for Application No. 16/656,319 (034392-0508266) dated July 22, 2021, pages 1-9.	☐
39	Copy of Non-Final Office Action for Application No. 17/681,373 (034392-0567098) dated October 7, 2022, pages 1-13.	☐
40	Copy of Notice of Allowance for Application No. 17/681,373 (034392-0567098) dated March 17, 2023, pages 1-13.	☐
41	Copy of Non-Final Office Action for Application No. 18/212,131 (034392-0576394) dated February 6, 2024, pages 1-31.	☐

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First Named Inventor	Aaron Phillips
Art Unit	
Examiner Name	
Attorney Docket Number	034392-0579591

CERTIFICATION STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ A certification statement is not submitted herewith.

FEE

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

COPIES

☐ An identification of an earlier application pursuant to 37 CFR 1.98 (d) (1) is attached.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Joshua Tucker/	Date (YYYY-MM-DD)	2024-12-18
Name/Print	Joshua Tucker	Registration Number	63809

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR
PATENT

APPLICATION #
18658724

FILING DATE
05/08/2024

FIRST NAMED INVENTOR
Aaron Phillips

ATTORNEY DOCKET #
034392-0579591

Title of Invention
REMOTE CONTROL OF FLUID-HANDLING DEVICES

-  Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action
-  This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent interest
SITEPRO, LLC	100%
Total	100%

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number(s)

Application #	Filing Date
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as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

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8649909

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as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

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- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.



Terminal disclaimer fee under 37 CFR 1.20(d) included with Electronic Terminal Disclaimer request.

Applicant claims the following entity status:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I certify, in accordance with 37 CFR 1.4(d)(4) that I am: An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

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Name

Registration #

/Joshua Tucker/

Joshua Tucker

63809

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APPROVAL LETTER

APPLICATION #
18/658,724

FILING DATE
05/08/2024

APPLICANT/PATENT UNDER REEXAMINATION
Aaron Phillips

Title of Invention

REMOTE CONTROL OF FLUID-HANDLING DEVICES

Electronic terminal disclaimer filed on 01/06/2025



Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved

<i>Examiner-Initiated Interview Summary</i>	Application No. 18/658,724	Applicant(s) Phillips, Aaron		
	Examiner CHRISTOPHER E EVERETT	Art Unit 2116	AIA (First Inventor to File) Status No	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
CHRISTOPHER E EVERETT	Primary Examiner	Telephonic
Josh Tucker, Reg. No. 63809	Attorney of Record	

Date of Interview: 06 January 2025

Issues Discussed:

Other

See Terminal Disclaimer filed on 1/6/2025

/Christopher E. Everett/ Primary Examiner, Art Unit 2116	
Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04 Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing	

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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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	First Named Inventor	Aaron Phillips		
	Art Unit			
	Examiner Name			
	Attorney Docket Number		034392-0579591	

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Attorney Docket Number	034392-0579591	

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Attorney Docket Number		034392-0579591

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	27	20110307203	A1	2011-12-15	Higgins, T. A., et al.	
	28	20120239211	A1	2012-09-20	Walker, R. L., et al.	
	29	20120078896	A1	2012-03-29	Nixon, M., et al.	
	30	20060271299	A1	2006-11-30	Ward, Simon J.	
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	33	20100033318	A1	2010-02-11	Tampke, Michael S.	
	34	20080077512	A1	2008-03-27	Grewal, Ardaman Singh	
	35	20050084988	A1	2005-04-21	Huang, Chung-Ho	
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number		18658724	
Filing Date		2024-05-08	
First Named Inventor	Aaron Phillips		
Art Unit			
Examiner Name			
Attorney Docket Number		034392-0579591	

	37	20120209540	A1	2012-08-16	Richardson, N., et al.	
	38	20100312401	A1	2010-12-09	Gutierrez, F. M., et al.	
	39	20140039697	A1	2013-02-06	Weiler et al.	
	40	20130211546	A1	2013-08-15	Lawson et al.	
	41	20130201316	A1	2013-08-08	Binder et al.	
	42	20130133881	A1	2013-05-30	Boyles, G., et al.	

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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	2008124765	WO	A1	2008-10-16	Lufkin Industries, Inc.		☐
	2	2008103487	WO	A1	2008-08-28	Schlumberger Technology Corporation et al.		☐
	3	2090943	EP	A1	2009-08-19	Acque Ingegneria S.r.l.		☐

INFORMATION DISCLOSURE
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Art Unit		
Examiner Name		
Attorney Docket Number		034392-0579591

	4	2009098074	WO	A2	2009-08-13	Acque Ingegneria S.R.L		☐
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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	BALL, BILL, "Oilfield Water-Oil-Solids Separation," High-Tech Consultants, September 19, 2005, pages 1-17, HTC, Inc. Bixby, OK, US.	☐
	2	"SCADALynx - the ultimate solution for oil and gas production intelligence," @eLynx Technologies, LLC, 2011, <www.eLynx Tech.com,> 2011, page 1, US.	☐
	3	"iSCADA Gas Well Support," <www.vipondcontrols.ca/index+com_content&view+article&id=142:iscada-gas-well-support,> September 2, 2012, Pages 1-2, Calgary, Alberta, Canada.	☐
	4	"Field Data Capture for Oil and Gas, "Merrick -Oil & Gas Technology Solutions, <www.merricksystems.com/oil-and-gas-software/field-operations-managemenl/evin.html?phpMyAdmin ... ,> September 2, 2012, Pages 1-4, Houston, Texas, US.	☐
	5	VIPOND, DARRYL, "Cloud Computing for the Oil and Gas Industry," Vipon Controls, <www.automation.com/content/cloud-computing-for-the-oil-and-gas-industry,> 9/2/12, Pages 1-4, US.	☐
	6	Matthew, N., et al., Beginning Linux Programming, 4th Edition, 2008, 819 pages.	☐
	7	Configuring and Managing Remote Access for Industrial Control Systems, CPNI: Center for the Protection of National Infrastructure, November 2010, 66 pages.	☐
	8	McHugh, Denis, "Implementing TCP-IP in SCADA Systems," August 2003, 91 pages.	☐

**INFORMATION DISCLOSURE
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Application Number	18658724
Filing Date	2024-05-08
First Named Inventor	Aaron Phillips
Art Unit	
Examiner Name	
Attorney Docket Number	034392-0579591

9	Boyer, Stuart A., SCADA: Supervisory Control and Data Acquisition, 4th Edition, 2010, 236 pages.	☐
10	Genge, Bela, "A cyber-physical experimentation environment for the security analysis of networked industrial control systems," 21 July 2012, 16 pages.	☐
11	Urdaneta, Guido, "A reference software architecture for the development of industrial automation high-level applications in the petroleum industry," 07 August 2006, 11 pages.	☐
12	Inductive Automation, "Contents" from Ignition User Manual build 7.4.0.878, 2012, 28 pages.	☐
13	Copy of Notice of Allowance for Application No. 18/212,131 (034392-0576394) dated May 8, 2024, pages 1-15.	☐
14	Inductive Automation, "Contents" from Ignition User Manual build 7.5.0.1079, 2012, 31 pages.	☐
15	Modicon, Inc., Modicon Modbus Protocol Reference Guide, June 1996, 121 pages.	☐
16	International Business Machines Corporation (IBM) Eurotech, MOTT Version 3.1 Protocol Specification, 1999-2010, 41 pages.	☐
17	Web Archive of Inductive Automation.com/scada-software, 22 July 2012, https://web.archive.org/web/20120722103649/http://www.inductiveautomation.com/scada-software;jsessionid=B6E2870A6F286CFCDF17DBF12B229100 , 5 pages.	☐
18	Web Archive of Inductive Automation.com/products/ignition/architecture, 22 June 2012, https://web.archive.org/web/20120622232209/http://www.inductiveautomation.com/products/ignition/architecture , 2 pages.	☐
19	Web Archive of Inductive Automation.com/products/ignition/features, 22 June 2012, https://web.archive.org/web/20120622213043/http://www.inductiveautomation.com/products/ignition/features , 2 pages.	☐

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Attorney Docket Number		034392-0579591

	20	Scott Oaks & Henry Wong, Java Threads, 2nd Edition, January 1999, ISBN: 1-56592-418-5, 332 pages.	☐
	21	Patrick Niemeyer & Jonathan Knudsen, Learning Java, 3rd Edition, May 2005, 978 pages.	☐
	22	John R. Hubbard, Ph.D., Theory and Problems of Fundamentals of Computing with C++, 1998, 31 pages.	☐
	23	SitePro, Inc. v. Waterbridge Resources, LLC, et al., Claim Construction Memorandum and Order, Civil No. 6:23-CV-115-ADA-DTG, Document 93, dated February 23, 2024, 123 pages.	☐
	24	Copy of Corrected Notice of Allowability for Application No. 18/212,131 (034392-0576394) dated May 23, 2024, pages 1-6.	☐
	25	Copy of Non-Final Office Action for Application No. 13/708,557 (034392-0437404) dated March 7, 2013, pages 1-42.	☐
	26	Copy of Final Office Action for Application No. 13/708,557 (034392-0437404) dated June 25, 2013, pages 1-56.	☐
	27	Copy of Advisory Action for Application No. 13/708,557 (034392-0437404) dated September 6, 2013, pages 1-3.	☐
	28	Copy of Notice of Allowance for Application No. 13/708,557 (034392-0437404) dated November 29, 2013, pages 1-13.	☐
	29	Copy of Non-Final Office Action for Application No. 14/147,190 (034392-0437466) dated August 13, 2014, pages 1-38.	☐
	30	Copy of Final Office Action for Application No. 14/147,190 (034392-0437466) dated March 18, 2015, pages 1-82.	☐

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Examiner Name		
Attorney Docket Number	034392-0579591	

31	Copy of Notice of Allowance for Application No. 14/147,190 (034392-0437466) dated September 29, 2015, pages 1-13.	☐
32	Copy of Non-Final Office Action for Application No. 14/984,422 (034392-0444743) dated December 21, 2016, pages 1-38.	☐
33	Copy of Final Office Action for Application No. 14/984,422 (034392-0444743) dated March 31, 2017, pages 1-44.	☐
34	Copy of Notice of Allowance for Application No. 14/984,422 (034392-0444743) dated October 10, 2017, pages 1-44.	☐
35	Copy of Non-Final Office Action for Application No. 15/867,077 (034392-0456380) dated March 1, 2019, pages 1-21.	☐
36	Copy of Notice of Allowance for Application No. 15/867,077 (034392-0456380) dated July 18, 2019, pages 1-10.	☐
37	Copy of Non-Final Office Action for Application No. 16/656,319 (034392-0508266) dated February 23, 2021, pages 1-55.	☐
38	Copy of Notice of Allowance for Application No. 16/656,319 (034392-0508266) dated July 22, 2021, pages 1-9.	☐
39	Copy of Non-Final Office Action for Application No. 17/681,373 (034392-0567098) dated October 7, 2022, pages 1-13.	☐
40	Copy of Notice of Allowance for Application No. 17/681,373 (034392-0567098) dated March 17, 2023, pages 1-13.	☐
41	Copy of Non-Final Office Action for Application No. 18/212,131 (034392-0576394) dated February 6, 2024, pages 1-31.	☐

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Art Unit			
Examiner Name			
Attorney Docket Number		034392-0579591	

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Examiner Signature	/Christopher E. Everett/ (01/06/2025)	Date Considered	01/06/2025
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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Application Number		18658724	
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First Named Inventor	Aaron Phillips		
Art Unit			
Examiner Name			
Attorney Docket Number		034392-0579591	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).
- OR
- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).
- ☐ See attached certification statement.
- ☐ A certification statement is not submitted herewith.

FEE

- ☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

COPIES

- ☐ An identification of an earlier application pursuant to 37 CFR 1.98 (d) (1) is attached.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Joshua Tucker/	Date (YYYY-MM-DD)	2024-12-18
Name/Print	Joshua Tucker	Registration Number	63809

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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909 7590 01/23/2025
Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

EXAMINER	
EVERETT, CHRISTOPHER E	
ART UNIT	PAPER NUMBER
2116	

DATE MAILED: 01/23/2025

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/658,724	05/08/2024	Aaron Phillips	034392-0579591	6780

TITLE OF INVENTION: REMOTE CONTROL OF FLUID-HANDLING DEVICES

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$516	\$0.00	\$0.00	\$516	04/23/2025

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/658,724	05/08/2024	Aaron Phillips	034392-0579591	6780

TITLE OF INVENTION: REMOTE CONTROL OF FLUID-HANDLING DEVICES

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$516	\$0.00	\$0.00	\$516	04/23/2025

EXAMINER	ART UNIT	CLASS-SUBCLASS
EVERETT, CHRISTOPHER E	2116	700-083000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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1 _____

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PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required)

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☐ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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909 7590 01/23/2025 Pillsbury Winthrop Shaw Pittman, LLP PO Box 10500 McLean, VA 22102				
EXAMINER EVERETT, CHRISTOPHER E				
ART UNIT PAPER NUMBER 2116				
DATE MAILED: 01/23/2025				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).

<https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to:

- 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
- 2) a federal, state, local, or international agency, in response to its request;
- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 18/658,724	Applicant(s) Phillips, Aaron	
	Examiner CHRISTOPHER E EVERETT	Art Unit 2116	AIA (FITF) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/13/2024.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 21-51. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☒ Interview Summary (PTO-413), Paper No./Mail Date. _____.	

/Christopher E. Everett/
Primary Examiner, Art Unit 2116

DETAILED ACTION

The Office Action is responsive to the communication filed on 12/13/2024.

Claims 21-51 are pending.

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Allowable Subject Matter

Claims 21-51 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 21-49

Regarding claim 21, the prior art as described in the prosecution history describes:

21. (new) A tangible, non-transitory, machine-readable medium storing instructions that, when executed by one or more processors, effectuate operations comprising:

However, regarding claim 21, the prior art as described in the prosecution history does not describe:

receiving, with a first computing system, via a network interface, a plurality of commands encoded in a first protocol to control a plurality of different fluid-handling devices at a fluid-handling site, different commands among the plurality of commands being directed to different fluid handling devices among the plurality of fluid-handling devices, wherein:

the plurality of commands are responsive to inputs to a command interface presented on a remote user computing device, and

the plurality of commands are received after determining that a user of the remote user computing device is authorized to issue commands to the first computing system based on a user account that indicates the user is authorized to issue commands to the first computing system, the user account being accessed from a data store;

for at least some of the plurality of commands, determining, with the first computing system, a plurality of different target states of a given one of the fluid-handling devices over time, wherein the first computing system is operative to maintain control of the fluid handling devices in an absence of an external network connection;

translating, with the first computing system, the plurality of commands into translated commands encoded in a plurality of protocols different from the first protocol, at least some of the translated commands being operative to cause a local controller of the given fluid-handling device to the plurality of different target states, and the local controller being responsive to the at least some of the translated commands and feedback

from the given fluid-handling device, the feedback being indicative of whether the given fluid-handling device is in targeted states among the plurality of different target states;

sending, with the first computing system, the translated commands to the local controllers;

obtaining, with the first computing system, site data and storing the site data in a report buffer of the first computing system such that the site data in the report buffer is not lost in the absence of the network connection, the site data including alarms, measurements from sensors, or other data associated with the fluid-handling site or associated with at least some of the plurality of fluid-handling devices;

sending, with the first computing system, the site data stored in the report buffer to a remote second computing system.

Dependent claims 22-49 depend from independent claim 21 and are allowable for the same reasons as described above.

Claim 50

Independent claim 50 is substantially similar to independent claim 21 and is allowable for the same reasons as outlined above with respect to claim 21.

Claim 51

Regarding claim 51, the prior art as described in the prosecution history describes:

51. (new) A system, comprising:
a fluid-handling site;
a plurality of fluid handling devices at the fluid-handling site; and
a first computing system communicatively coupled to the plurality of fluid
handling devices, the first computing system storing instructions that, when executed by
the first computing system, effectuate operations comprising:

However, regarding claim 51, the prior art as described in the prosecution history does
not describe:

receiving, with a first computing system, via a network interface, a

plurality of commands encoded in a first protocol to control a plurality of different fluid-handling devices at a fluid-handling site, different commands among the plurality of commands being directed to different fluid handling devices among the plurality of fluid-handling devices, wherein:

the plurality of commands are responsive to inputs to a command interface presented on a remote user computing device, and

the plurality of commands are received after determining that a user of the remote user computing device is authorized to issue commands to the first computing system based on a user account that indicates the user is authorized to issue commands to the first computing system, the user account being accessed from a data store;

for at least some of the plurality of commands, determining, with the first computing system, a plurality of different target states of a given one of the fluid-handling devices over time, wherein the first computing system is operative to maintain control of the fluid handling devices in an absence of an external network connection;

translating, with the first computing system, the plurality of commands into translated commands encoded in a plurality of protocols different from the first protocol, at least some of the translated commands being operative to cause a local controller of the given fluid-handling device to the plurality of different target states, and the local controller being responsive to the at least some of the translated commands and feedback from the given fluid-handling device, the feedback being indicative of whether the given fluid-handling device is in targeted states among the plurality of different target states;

sending, with the first computing system, the translated commands to the local controllers;

obtaining, with the first computing system, site data and storing the site data in a report buffer of the first computing system such that the site data in the report buffer is not lost in the absence of the network connection, the site data including alarms, measurements from sensors, or other data associated with the fluid-handling site or associated with at least some of the plurality of fluid-handling devices;

sending, with the first computing system, the site data stored in the report buffer to a remote command center server, wherein:

other user accounts in the data store indicate other users are not authorized to issue commands to the first computing system;

the other user accounts indicate the other users are authorized to view reports from the first computing system;

the site data stored in the report buffer comprises a sensor measurement of the fluid handling site and an alarm;

the site data is obtained while network access to the remote command center server is intermittently ceased, and wherein sending the site data occurs after network access to the remote command center server is intermittently ceased;

translating abstracts details of site-specific implementation of the first computing system;

a given command among the plurality of commands is configured to instruct the given fluid-handling device to adjust to attain another target state; and

the operations further comprise:

translating the given command to produce another translated command and sending the other translated command to the given fluid-handling device;

obtaining sensor data characterizing a response of the given fluid-handling device to the other translated command; and

determining, by the first computing system, to send a further command to the given fluid-handling device to make a further adjustment based on the sensor data characterizing the response.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTOPHER E EVERETT whose telephone number is (571)272-2851. The examiner can normally be reached Monday-Friday 8:00 am to 5:00 pm (Eastern).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah can be reached on 571-272-2279. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 18/658,724
Art Unit: 2116

Page 9

/Christopher E. Everett/
Primary Examiner, Art Unit 2116

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:
Aaron Phillips, *et al.*
Application No.: 18/658,724

Confirmation Number: 6780

Group Art Unit: 2116

Filed: 08 May 2024

Examiner: Everett, Christopher E.

Title: REMOTE CONTROL OF FLUID-HANDLING DEVICES

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

Mail Stop Issue Fee

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicant confirms with appreciation the receipt of the Notice of Allowability for this application.

Applicant recognizes that in accordance with M.P.E.P. § 1302.14, the statement of reasons for allowance need not set forth all of the details as to why the claims are allowed.

Consequently, Applicant may assert that the stated reasons for allowance are not the only reasons for which the claims are allowable. The claims may be allowable for other reasons as well.

In addition, Applicant does not concede that all of the limitations identified in the statement are necessary to distinguish the prior art of record or to satisfy the requirements of 35 U.S.C. § 112. In addition, the statement does not assert, and Applicant would not concede, that the stated reasons have any bearing on the patentability of claims in any other application directed to the disclosed subject matter.

In addition, Applicant notes that each dependent claim stands on its own and is allowable on its own merits. In particular, each dependent claim may be allowable on the basis of a combination of some of the features recited in the dependent claim and its base claim(s), which

combination of features may not include all of the limitations identified in the reasons for allowance.

These comments are being filed concurrently with payment of the Issue Fee. Please charge any fees, if any, associated with the submission of this paper to Deposit Account Number 033975 (Ref. No. 034392-0579591). The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,

Date: 23 January 2025

/Joshua Tucker /
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/658,724	06/03/2025	12321184	034392-0579591	6780

909 7590 05/21/2025
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ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at <https://certifiedcopycenter.uspto.gov/index.html>. The Certified Copy Center may be reached at (800)972-6382.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Center (<https://patentcenter.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional inventors):

Aaron Phillips, Lubbock, TX;

APPLICANT(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional applicants):

SitePro, Inc., Lubbock, TX;

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