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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/656,319	11/16/2021	11175680	034392-0508266	2059

909 7590 10/27/2021

Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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 38 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 Application Information Retrieval (PAIR) WEB site (http://pair.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 PAIR WEB site http://pair.uspto.gov for additional inventors):

Aaron Phillips, Lubbock, TX;

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

SitePro, Inc., Lubbock, TX;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

Electronic Patent Application Fee Transmittal

Application Number:	16656319
Filing Date:	17-Oct-2019
Title of Invention:	REMOTE CONTROL OF FLUID-HANDLING DEVICES
First Named Inventor/Applicant Name:	Aaron Phillips
Filer:	Joshua L. Tucker/Amanda Childs
Attorney Docket Number:	034392-0508266

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY APPL ISSUE FEE	2501	1	600	600
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**600**

Electronic Acknowledgement Receipt

EFS ID:	44012409
Application Number:	16656319
International Application Number:	
Confirmation Number:	2059
Title of Invention:	REMOTE CONTROL OF FLUID-HANDLING DEVICES
First Named Inventor/Applicant Name:	Aaron Phillips
Customer Number:	909
Filer:	Joshua L. Tucker/Amanda Childs
Filer Authorized By:	Joshua L. Tucker
Attorney Docket Number:	034392-0508266
Receipt Date:	19-OCT-2021
Filing Date:	17-OCT-2019
Time Stamp:	18:18:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$600
RAM confirmation Number	E20210II18513009
Deposit Account	033975
Authorized User	Amanda Childs

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	Web85b.pdf	62820 cce06d40ae253eb5439ed9b21fe6dc9291bad684	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	40354 f436d535ab76b3c3efae57e4065edf5164cda7da	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	103174		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Document Description: Issue Fee Payment (PTO-85B)

Issue Fee Transmittal Form

Application Number	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
16656319	17-Oct-2019	Aaron Phillips	034392-0508266	2059

TITLE OF INVENTION :

REMOTE CONTROL OF FLUID-HANDLING DEVICES

Entity Status	Application Type	Art Unit	Class - Subclass	EXAMINER
Small	Utility under 35 USC 111(a)	2116	083000	

Issue Fee Due	Publication Due	Total Fee(s) Due	Date Due	Prev. Paid Fee
$600	$0	$600	22-Oct-2021	$0

1.Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)

Current Correspondence Address:	Current Indicated Fee Address :
909 Pillsbury Winthrop Shaw Pittman, LLP PO Box 10500 McLean VA 22102 UNITED STATES 703-770-7900 docket_ip@pillsburylaw.com	
☐ Change of correspondence address requested, system generated AIA/122-EFS form attached	☐ Fee Address indication requested, system generated SB/47-EFS form attached

2.Entity Status

Change in Entity Status

○ Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.
Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.

◉ Applicant asserting small entity status. See 37 CFR 1.27.
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.

○ Applicant changing to regular undiscounted fee status.
Note: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Doc Code: IFEE PTOL/85B-EFS

Document Description: Issue Fee Payment (PTO-85B)

3.The Following Fee(s) Are Submitted:

☒ Issue Fee

☐ I authorize USPTO to apply my previously paid issue fee to the current fees due

☐ Publication Fee

☐ The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number _____

☐ Advance Order - # of copies _____

☒ If **in addition to** the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number 033975 . The **issue fee must be submitted** with this form. **If payment of the issue fee does not accompany this form, checking this box and providing a deposit account number will NOT be effective to satisfy full payment of the fee(s) due.**

4.Firm and/or Attorney Names To Be Printed

NOTE: If no name is listed, no name will be printed
For printing on the patent front page, list to be displayed as entered

1. PILLSBURY WINTHROP SHAW PITTMAN, LLP
2.
3.

5.Assignee Name(s) and Residence Data To Be Printed

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

Name	City	State	Country	Category
SitePro, Inc.	Lubbock	TEXAS	UNITED STATES	corporation

6.Signature

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 has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

Signature	/Joshua Tucker/	**Date**	10-19-2021
Name	Joshua Tucker	**Registration Number**	63809

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Attorney Docket: 034392-0508266

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of: Aaron Phillips	Confirmation Number: 2059
Application No.: 16/656,319	Group Art Unit: 2116
Filed: 17 October 2019	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.

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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. 034392-0508266). The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,

Date: 12 October 2021

/Joshua Tucker/
Joshua Tucker
Registration No. 63,809
Pillsbury Winthrop Shaw Pittman LLP
P.O. Box 10500
McLean, VA 22102
Phone 512-580-9628

The Integration Group of The Americas Ex. 1004-Page 9
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Electronic Acknowledgement Receipt

EFS ID:	44012662
Application Number:	16656319
International Application Number:	
Confirmation Number:	2059
Title of Invention:	REMOTE CONTROL OF FLUID-HANDLING DEVICES
First Named Inventor/Applicant Name:	Aaron Phillips
Customer Number:	909
Filer:	Joshua L. Tucker/Amanda Childs
Filer Authorized By:	Joshua L. Tucker
Attorney Docket Number:	034392-0508266
Receipt Date:	12-OCT-2021
Filing Date:	17-OCT-2019
Time Stamp:	18:51:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Post Allowance Communication - Incoming	034392-0508266-Comments.pdf	107987 99641a67206346a1f2274f42b4448f4c8c5bc655	no	2

Warnings:

Information:	
Total Files Size (in bytes):	107987

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	11	("20020161685"|"20020169645"|"20030004624"|"20030182463"|"20040088115"|"20040231851"|"20050108504"|"20060240818"|"20080208475"|"20100295673"|"20120316658").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/22 08:35 AM
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L3	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2013/02/22 08:35 AM
L4	0	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2013/02/22 08:36 AM
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L13	17	(US-20090260829-$ or US-20020112860-$ or US-20040262008-$ or US-20070107903-$ or US-20040251030-$).did. or (US-7000693-$ or US-6420976-$ or US-7967066-$ or US-RE41173-$ or US-7148812-$ or US-6768700-$ or US-7845404-$ or US-6913083-$ or US-4636934-$ or US-5732776-$ or US-4052703-$ or US-7958938-$ or US-4755943-$).did.	(EPO; JPO; DERWENT)	OR	ON	ON	2013/02/22 09:01 AM

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L14	1	("7261162").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/22 09:05 AM
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IPR2024-00737-U.S. Patent No. 11,175,680

		US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
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IPR2024-00737-U.S. Patent No. 11,175,680

		server))					
L44	15604	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:12 AM
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L46	315	L45 and L42	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:12 AM
L47	337	L39 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:12 AM
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L53	337	L39 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:22 AM
L54	203	L53 and (internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:22 AM
L55	387	(local autonomous	(US-PGPUB; USPAT;	OR	ON	ON	2013/02/26

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

		independent) and L45	EPO)				10:25 AM
L56	381	L55 not L54	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:25 AM
L57	501662	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:28 AM
L58	8886	L57 and L39	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:29 AM
L59	106	L58 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/02/26 10:29 AM
L60	44	("20030004624"|"20040088115"|"20100147510"|"5732776"|"7931090"|"7967066"|"8312320"|"20130144531"|"8301386"|"20050108504"|"20100295673"|"20110231024"|"6061603"|"8386059"|"20100098507"|"20030182463"|"4052703"|"6192980"|"7958938"|"8373418"|"20130024026"|"20040231851"|"20060240818"|"7148812"|"7289994"|"20120316658"|"20040262008"|"7921916"|"8131510"|"8290737"|"20100326654"|"20020161685"|"20090149969"|"7845404"|"8179279"|"20020112860"|"20050096846"|"5149443"|"6801135"|"6913083"|"20130008645"|"20020169645"|"20080208475"|"7591308").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/11 01:22 PM
L61	37	(US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020161685-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 07:58 AM

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		7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$).did. or (WO-2008124765-$).did.					
L62	0	L61 and oscillate	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 07:58 AM
L63	1	L61 and (stuck adj3 valve)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 07:59 AM
L64	4400	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:10 AM
L65	5969	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:10 AM
L66	19220	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:10 AM
L67	804	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:10 AM
L68	475	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:10 AM
L69	30612	L64 L65 L66 L67 L68	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:10 AM
L70	172242	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:10 AM
L71	241	L69 and L70 and "240"	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:10 AM
L72	2175607	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:11 AM
L73	664	L69 and L70 and L72	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:11 AM
L74	6	L73 and (inoperative in-operative stuck) adj3 (valve part)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:11 AM
L75	94	L70 and (stuck) adj3 (valve)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:14 AM
L76	94	L70 and ((stuck) adj3	(US-PGPUB; USPAT;	OR	ON	ON	2013/06/12

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		(valve))	EPO)				08:14 AM
L77	109	L70 and ((frozen froze stuck) adj3 (valve))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:19 AM
L78	12	((move jerk oscillate move) near2 ((frozen froze stuck) adj3 (valve)))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:21 AM
L79	1	("4823749").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 08:22 AM
L80	1	("20010032518").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 10:53 AM
L81	35	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/06/12 11:14 AM
L82	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2013/06/12 11:14 AM
L83	0	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2013/06/12 11:14 AM
L84	5	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2013/06/12 11:14 AM
L85	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L86	0	L85 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L87	7	L85 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L88	4795	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L89	2432	L88 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L90	889	L89 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L91	246	L90 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM

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L92	2	L91 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L93	1458	L69 and L70	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L94	1900176	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L95	16083	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L96	664	L72 and L93	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L97	327	L96 and L94	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L98	343	L70 and L95	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L99	6	L97 and L98	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L100	10	L70 and L95 and L69	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L101	528886	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L102	9459	L101 and L70	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L103	110	L102 and L95	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L104	158	L81 L82 L83 L84 L86 L87 L92 L99 L100 L103	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/06/12 11:14 AM
L105	16	("2004/0262008").URPN.	(USPAT)	OR	ON	ON	2013/10/25 12:32 PM
L106	9	("20040262008" | "20050035875" | "4701756" | "5959547" | "6229453" | "6816082").PN. OR ("7148812").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/10/25 12:39 PM
L107	1	("5959547").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:45 PM
L108	4578	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L109	6150	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L110	20349	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L111	850	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L112	486	340/853.3,853.2,856.3.	(US-PGPUB; USPAT;	OR	ON	ON	2013/10/25

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		ccls.	EPO)				12:46 PM
L113	32148	L108 L109 L110 L111 L112	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L114	177528	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L115	2253717	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L116	36	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2013/10/25 12:46 PM
L117	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2013/10/25 12:46 PM
L118	0	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2013/10/25 12:46 PM
L119	5	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2013/10/25 12:46 PM
L120	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L121	0	L120 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L122	7	L120 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L123	4935	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L124	2501	L123 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L125	917	L124 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L126	257	L125 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM

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L127	2	L126 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L128	1540	L113 and L114	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L129	1987225	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L130	16785	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L131	707	L115 and L128	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L132	351	L131 and L129	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L133	357	L114 and L130	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L134	6	L132 and L133	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L135	10	L114 and L130 and L113	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L136	553323	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L137	9948	L136 and L114	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L138	117	L137 and L130	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L139	166	L116 L117 L118 L119 L121 L122 L127 L134 L135 L138	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L140	166	L139	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2013/10/25 12:46 PM
L144	4914	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L145	6494	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L146	22712	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L147	948	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L148	511	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L149	35297	L144 L145 L146 L147 L148	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L150	188122	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM

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L151	2416039	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L152	38	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2014/07/22 04:19 PM
L153	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2014/07/22 04:19 PM
L154	2	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2014/07/22 04:19 PM
L155	5	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2014/07/22 04:19 PM
L156	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L157	0	L156 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L158	7	L156 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L159	5262	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L160	2663	L159 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L161	969	L160 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L162	268	L161 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L163	4	L162 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L164	1686	L149 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L165	2171012	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L166	18312	(local autonomous	(US-PGPUB; USPAT;	OR	ON	ON	2014/07/22

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		independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	EPO)				04:19 PM
L167	776	L151 and L164	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L168	390	L167 and L165	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L169	383	L150 and L166	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L170	8	L168 and L169	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L171	12	L150 and L166 and L149	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L172	605853	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L173	10936	L172 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L174	129	L173 and L166	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L175	178	L152 L153 L154 L155 L157 L158 L163 L170 L171 L174	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L176	178	L175	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L177	178	L176	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:19 PM
L178	2489	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:20 PM
L179	645	L178 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:28 PM
L180	452	L179 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:28 PM
L182	15	L180 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:28 PM
L183	16	L178 and L166 and L165	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:29 PM
L184	204	L182 L183 L177	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2014/07/22 04:29 PM
L185	23	("4007450" | "4888726" | "5560005" | "5724575" | "5828851" | "5838563" | "5845230" | "5956483" | "6000045" | "6131120" | "6263487" | "6701437" | "6799077").PN. OR ("7289994").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/02/23 04:41 PM
L186	1	("20090055029").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2015/03/06

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			EPO)				02:23 PM
L187	46	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 02:45 PM
L188	2	L187 and pid	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 02:45 PM
L189	5307	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L190	6733	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L191	24915	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM

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L192	1044	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L193	530	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L194	38241	L189 L190 L191 L192 L193	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L195	197343	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L196	2561451	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L197	39	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/03/06 04:10 PM
L198	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2015/03/06 04:10 PM
L199	2	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2015/03/06 04:10 PM
L200	6	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2015/03/06 04:10 PM
L201	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
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L203	7	L201 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L204	5538	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L205	2804	L204 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L206	1031	L205 and (oil near2	(US-PGPUB; USPAT;	OR	ON	ON	2015/03/06

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		well)	EPO)				04:10 PM
L207	287	L206 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
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L210	2334181	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L211	19758	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
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L214	411	L195 and L211	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
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L222	192	L221	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L223	2737	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
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L226	16	L225 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
L227	16	L223 and L211 and L210	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM

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L228	219	L226 L227 L222	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/03/06 04:10 PM
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L231	6864	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L232	25873	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L233	1107	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L234	547	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L235	39674	L230 L231 L232 L233 L234	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L236	205047	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L237	2685982	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L238	43	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/09/21 08:46 AM
L239	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2015/09/21 08:46 AM
L240	3	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2015/09/21 08:46 AM
L241	6	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2015/09/21 08:46 AM
L242	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM

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		$).did.					
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L246	2926	L245 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L247	1087	L246 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L248	297	L247 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
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L250	1898	L235 and L236	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L251	2471267	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L252	21038	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
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L264	2965	G05D7/0676;G05B9/02;	(US-PGPUB; USPAT;	OR	ON	ON	2015/09/21

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		E21B47/00;G05B2219/23472.cpc.	EPO)				08:46 AM
L265	752	L264 and L236	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
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L267	16	L266 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L268	18	L264 and L252 and L251	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L269	239	L267 L268 L263	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L270	239	L269	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L271	239	L270	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2015/09/21 08:46 AM
L276	6137	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L277	7043	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L278	26619	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L279	1160	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L280	554	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L281	41214	L276 L277 L278 L279 L280	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L282	223345	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L283	2986529	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
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L285	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2016/12/07 04:13 PM
L286	7	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2016/12/07 04:13 PM
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		US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L289	0	L288 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L290	7	L288 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L291	6407	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L292	3258	L291 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L293	1220	L292 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L294	338	L293 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
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L296	2046	L281 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L297	2802086	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L298	24197	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L299	976	L283 and L296	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L300	511	L299 and L297	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
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L302	15	L300 and L301	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L303	22	L282 and L298 and L281	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L304	788452	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM

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L305	14396	L304 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
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L309	262	L308	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
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L311	1005	L310 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
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L313	20	L312 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:13 PM
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L318	293	L317	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2016/12/07 04:13 PM
L319	81003	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2016/12/07 04:13 PM
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		US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
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L324	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/07 04:28 PM

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		US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L325	29	L324 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2016/12/07 04:28 PM
L326	12	L325 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2016/12/07 04:29 PM
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L329	91	("5438329" | "5717718" | "5963650" | "6062095" | "6169488" | "6305471" | "6356205" | "6369715" | "6574652" | "6693553" | "6795319").PN. OR ("6967589").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/12/07 04:32 PM
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L333	2	("20100033318").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2016/12/07

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			FPRS; EPO)				04:35 PM
L334	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/08 12:05 PM
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L336	13	L335 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2016/12/08 12:22 PM

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L337	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2016/12/08 12:28 PM
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		controller valve)					
L342	6137	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2016/12/08 01:48 PM
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		US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L361	2	L360 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2016/12/09 11:51 AM
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L364	6	L360 and (carrier)	(US-PGPUB; USPAT;	OR	ON	ON	2016/12/09

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			FPRS; EPO)				11:52 AM
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L385	6148	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
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L389	554	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
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		water)	EPO)				02:18 PM
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L406	2883167	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L407	24993	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
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		US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
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		US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L422	29	L421 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L423	12	L422 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
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		US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L425	20	L424 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L426	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or	(US-PGPUB; USPAT)	OR	ON	ON	2017/03/23 02:18 PM

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		US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L427	24	L426 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L428	17	L426 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L429	13	L427 and L428	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L430	6148	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L431	7044	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L432	26644	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L433	1160	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L434	554	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L435	41251	L430 L431 L432 L433 L434	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L436	86021	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM

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L437	125354	L436 L435	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
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L441	34	L439 L440	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L442	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/03/23 02:18 PM

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		6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L443	2	L442 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L444	8	L442 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L445	6	L442 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L446	2	L442 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L447	129	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/03/23 02:18 PM
L448	21	L447 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L449	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L450	146	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L451	10	L450 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L452	405	L416 L449 L451 L448 L443 L444 L445 L446 L441 L440 L439 L429 L428 L427 L425 L420 L422 L423 L418	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/03/23 02:18 PM
L453	6153	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L454	7048	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L455	26662	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L456	1163	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L457	554	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L458	41281	L453 L454 L455 L456 L457	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L459	235216	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM

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		station)					
L460	3192542	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L461	65	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/09/26 08:06 AM
L462	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2017/09/26 08:06 AM
L463	11	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2017/09/26 08:06 AM
L464	8	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2017/09/26 08:06 AM
L465	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L466	0	L465 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L467	7	L465 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L468	6830	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L469	3457	L468 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L470	1296	L469 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L471	352	L470 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L472	6	L471 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L473	2051	L458 and L459	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L474	3028538	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM

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L475	26427	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L476	977	L460 and L473	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L477	513	L476 and L474	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L478	540	L459 and L475	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L479	15	L477 and L478	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L480	22	L459 and L475 and L458	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L481	855191	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L482	15715	L481 and L459	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L483	201	L482 and L475	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L484	283	L461 L462 L463 L464 L466 L467 L472 L479 L480 L483	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L485	4113	G05D7/0676;G05B9/02; E21B47/00;G05B2219/23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L486	22	L485 and L475 and L474	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L487	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM

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		US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L488	4	L487 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L489	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM

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IPR2024-00737-U.S. Patent No. 11,175,680

		8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L490	29	L489 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L491	12	L490 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
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		8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L493	20	L492 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L494	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-	(US-PGPUB; USPAT)	OR	ON	ON	2017/09/26 08:06 AM

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		7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L495	24	L494 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L496	17	L494 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L497	13	L495 and L496	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L498	6153	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L499	7048	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L500	26662	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L501	1163	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L502	554	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L503	41281	L498 L499 L500 L501 L502	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L504	92435	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L505	131779	L504 L503	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L506	401	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L507	21	L505 and L506	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L508	19	L506 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L509	35	L507 L508	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L510	54	(US-20120316658-$ or US-20080208475-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2017/09/26 08:06 AM

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		US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L511	2	L510 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L512	8	L510 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM

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L513	6	L510 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L514	2	L510 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L515	130	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2017/09/26 08:06 AM
L516	22	L515 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L517	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L518	152	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L519	10	L518 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L520	421	L484 L517 L519 L516 L511 L512 L513 L514 L509 L508 L507 L497 L496 L495 L493 L488 L490 L491 L486	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L521	421	L520	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2017/09/26 08:06 AM
L526	6162	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L527	7047	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L528	26678	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L529	1163	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L530	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L531	41304	L526 L527 L528 L529 L530	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L532	255944	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L533	3560512	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L534	80	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/02/25 11:11 AM
L535	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2019/02/25 11:11 AM
L536	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2019/02/25 11:11 AM
L537	8	real-time and onsite and internet and	(EPO; JPO; DERWENT)	OR	ON	ON	2019/02/25 11:11 AM

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		communication					
L538	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L539	0	L538 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L540	7	L538 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L541	7529	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L542	3807	L541 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L543	1433	L542 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L544	390	L543 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L545	6	L544 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L546	2051	L531 and L532	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L547	3428769	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L548	31081	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L549	979	L533 and L546	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L550	514	L549 and L547	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L551	709	L532 and L548	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L552	16	L550 and L551	(US-PGPUB; USPAT;	OR	ON	ON	2019/02/25

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			EPO)				11:11 AM
L553	23	L532 and L548 and L531	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L554	975821	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L555	18051	L554 and L532	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L556	286	L555 and L548	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L557	381	L534 L535 L536 L537 L539 L540 L545 L552 L553 L556	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L558	5106	G05D7/0676;G05B9/02; E21B47/00;G05B2219/23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L559	34	L558 and L548 and L547	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L560	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM

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		7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L561	4	L560 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L562	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM

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		5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L563	29	L562 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L564	12	L563 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L565	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM

		6356205-$).did. or (WO-2008124765-$).did.					
L566	20	L565 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L567	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2019/02/25 11:11 AM
L568	24	L567 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L569	17	L567 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM

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L570	13	L568 and L569	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L571	6162	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L572	7047	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L573	26678	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L574	1163	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L575	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L576	41304	L571 L572 L573 L574 L575	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L577	113460	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L578	152783	L577 L576	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L579	428	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L580	22	L578 and L579	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L581	19	L579 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L582	36	L580 L581	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L583	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/02/25 11:11 AM

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		US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L584	2	L583 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L585	8	L583 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L586	6	L583 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L587	2	L583 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L588	137	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/02/25 11:11 AM
L589	23	L588 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L590	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L591	163	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM

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L592	10	L591 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L593	531	L557 L590 L592 L589 L584 L585 L586 L587 L582 L581 L580 L570 L569 L568 L566 L561 L563 L564 L559	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/02/25 11:11 AM
L594	531	L593	(US-PGPUB; USPAT; FPRS; EPO; DERWENT)	OR	ON	ON	2019/02/25 11:11 AM
L595	6159	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L596	7059	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L597	26673	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L598	1163	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L599	552	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L600	41307	L595 L596 L597 L598 L599	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L601	262037	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L602	3673947	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L603	87	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/07/15 08:47 AM
L604	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2019/07/15 08:47 AM
L605	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2019/07/15 08:47 AM
L606	8	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2019/07/15 08:47 AM
L607	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM

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		7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L608	0	L607 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L609	7	L607 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L610	7745	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L611	3922	L610 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L612	1472	L611 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L613	404	L612 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L614	6	L613 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L615	2062	L600 and L601	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L616	3552609	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L617	32585	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L618	990	L602 and L615	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L619	526	L618 and L616	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L620	799	L601 and L617	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L621	25	L619 and L620	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L622	32	L601 and L617 and L600	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L623	1012917	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L624	18822	L623 and L601	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L625	338	L624 and L617	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L626	440	L603 L604 L605 L606 L608 L609 L614 L621	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM

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		L622 L625					
L627	5397	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L628	42	L627 and L617 and L616	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L629	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L630	4	L629 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L631	47	(US-20120316658-$ or	(US-PGPUB; USPAT;	OR	ON	ON	2019/07/15

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		US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.	EPO)				08:47 AM
L632	29	L631 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L633	12	L632 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L634	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM

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		US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L635	20	L634 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L636	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or	(US-PGPUB; USPAT)	OR	ON	ON	2019/07/15 08:47 AM

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		US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L637	24	L636 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L638	17	L636 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L639	13	L637 and L638	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L640	6159	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L641	7059	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L642	26673	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L643	1163	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L644	552	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM

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L645	41307	L640 L641 L642 L643 L644	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L646	119993	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L647	159311	L646 L645	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L648	440	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L649	26	L647 and L648	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L650	19	L648 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L651	40	L649 L650	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L652	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM

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		5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L653	2	L652 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L654	8	L652 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L655	6	L652 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L656	2	L652 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L657	137	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/07/15 08:47 AM
L658	23	L657 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L659	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L660	164	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L661	10	L660 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L662	602	L626 L659 L661 L658 L653 L654 L655 L656 L651 L650 L649 L639 L638 L637 L635 L630 L632 L633 L628	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L663	602	L662	(US-PGPUB; USPAT; FPRS; EPO; DERWENT)	OR	ON	ON	2019/07/15 08:47 AM
L664	6159	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L665	7059	702/6,13,183,188.ccls.	(US-PGPUB; USPAT;	OR	ON	ON	2019/07/15

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			EPO)				08:47 AM
L666	26673	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L667	1163	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L668	552	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L669	41307	L664 L665 L666 L667 L668	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L670	262037	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L671	3673947	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L672	87	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2019/07/15 08:47 AM
L673	5	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2019/07/15 08:47 AM
L674	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2019/07/15 08:47 AM
L675	8	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2019/07/15 08:47 AM
L676	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L677	0	L676 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L678	7	L676 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L679	7745	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM

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L680	3922	L679 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L681	1472	L680 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L682	404	L681 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L683	6	L682 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L684	2062	L669 and L670	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2019/07/15 08:47 AM
L685	11	("20020161685"|"20020169645"|"20030004624"|"20030182463"|"20040088115"|"20040231851"|"20050108504"|"20060240818"|"20080208475"|"20100295673"|"20120316658").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L686	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L687	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L688	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L689	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L690	1	("20060149476").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L691	1	("20060271299").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L692	1	("20030065447").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L693	1	("4594665").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L694	1	("20050092523").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L695	1	("20060047527").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L696	4857	L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L697	17	(US-20090260829-$ or US-20020112860-$ or US-20040262008-$ or US-20070107903-$ or US-20040251030-$).did. or (US-7000693-$ or US-6420976-$ or US-7967066-$ or US-RE41173-$ or US-7148812-$ or US-6768700-$ or US-	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM

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		7845404-$ or US-6913083-$ or US-4636934-$ or US-5732776-$ or US-4052703-$ or US-7958938-$ or US-4755943-$).did.					
L698	1	("7261162").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L699	162	("5331318" | "5597042" | "5662165" | "5706892" | "5706896" | "5721538" | "5730219" | "5732776" | "5803167" | "5868201" | "5934371" | "5941307" | "5959547" | "5975204" | "5992250" | "6006832" | "6012015" | "6046685" | "6068053" | "6075462" | "6125938" | "6160492" | "6161618" | "6176312" | "6179057" | "6192980" | "6192988" | "6209640" | "6247536" | "6257332" | "6271766" | "6276454" | "6279660" | "6281489" | "6288975" | "6296066" | "6422315" | "6469636" | "6498988" | "6622799" | "6670880" | "6717501" | "6788980" | "6801135" | "6816082" | "6851444").PN. OR ("7261162").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L700	1	("20040262008").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L701	1	("7148812").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L702	1	("7958938").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L703	1	("7967066").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L704	1	("7845404").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L705	1	("6913083").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L706	1	("20020112860").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L707	1	("5732776").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L708	1	("4052703").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L709	20	(US-20040262008-$ or US-20120316658-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L710	0	L25 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L711	7	L25 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L712	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L713	4138	L28 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L714	1461	L29 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L715	368	L30 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L716	0	L31 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L717	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L718	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L719	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L720	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L721	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L722	41358	L33 L34 L35 L36 L37	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L723	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L724	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L725	1990	L38 and L39	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L726	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L727	913	L41 and (internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L728	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L729	935	L40 and L41	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L730	494	L45 and L42	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L731	937	L39 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L732	26	L46 and L47	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L733	30	("2010/0147510").URPN.	(USPAT)	OR	ON	ON	2021/02/18 10:21 AM
L734	162	("5331318" | "5597042" | "5662165" | "5706892" | "5706896" | "5721538" | "5730219" | "5732776" | "5803167" | "5868201" | "5934371" | "5941307" | "5959547" | "5975204" | "5992250" | "6006832" | "6012015" | "6046685" | "6068053" | "6075462" | "6125938" | "6160492" | "6161618" | "6176312" | "6179057" | "6192980" | "6192988" | "6209640" | "6247536" | "6257332" | "6271766" | "6276454" | "6279660" | "6281489" | "6288975" | "6296066" | "6422315" | "6469636" | "6498988" | "6622799" | "6670880" | "6717501" | "6788980" | "6801135" | "6816082" | "6851444").PN. OR ("7261162").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L735	17	("5941305" | "5959547" | "5978749" | "6061603" | "6670880").PN. OR ("6801135").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L736	34	L39 and L44 and L38	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L737	937	L39 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L738	724	L53 and (internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L739	576	(local autonomous independent) and L45	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L740	550	L55 not L54	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L741	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L742	20394	L57 and L39	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L743	435	L58 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L744	44	("20030004624"|"20040088115"|"20100147510"|"5732776"|"7931090"|"7967066"|"8312320"|"20130144531"|"8301386"|"20050108504"|"20100295673"|"20110231024"|"6061603"|"8386059"|"20100098507"|"20030182463"|"4052703"|"6192980"|"7958938"|"8373418"|"20130024026"|"20040231851"|"20060240818"|"7148812"|"7289994"|"20120316658"|"20040262008"|"7921916"|"8131510"|"8290737"|"20100326654"|"20020161685"|"20090149969"|"7845404"|"8179279"|"20020112860"|"20050096846"|"5149443"|"6801135"|"6913083"|"20130008645"|"20020169645"|"20080208475"|"7591308").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L745	37	(US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020161685-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$).did. or (WO-2008124765-$).did.					
L746	0	L61 and oscillate	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L747	1	L61 and (stuck adj3 valve)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L748	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L749	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L750	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L751	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L752	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L753	41358	L64 L65 L66 L67 L68	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L754	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L755	394	L69 and L70 and "240"	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L756	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L757	935	L69 and L70 and L72	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L758	18	L73 and (inoperative in-operative stuck) adj3 (valve part)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L759	417	L70 and (stuck) adj3 (valve)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L760	417	L70 and ((stuck) adj3 (valve))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L761	452	L70 and ((frozen froze stuck) adj3 (valve))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L762	18	((move jerk oscillate move) near2 ((frozen froze stuck) adj3 (valve)))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L763	1	("4823749").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L764	1	("20010032518").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L765	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L766	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L767	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L768	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L769	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L770	0	L85 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L771	7	L85 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L772	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L773	4138	L88 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L774	1461	L89 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L775	368	L90 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L776	0	L91 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L777	1990	L69 and L70	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L778	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L779	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L780	935	L72 and L93	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L781	494	L96 and L94	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L782	937	L70 and L95	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L783	26	L97 and L98	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L784	34	L70 and L95 and L69	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L785	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L786	20394	L101 and L70	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L787	435	L102 and L95	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L788	5138	L81 L82 L83 L84 L86 L87 L92 L99 L100 L103	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L789	75	("2004/0262008").URPN.	(USPAT)	OR	ON	ON	2021/02/18 10:21 AM
L790	16	("20040262008" | "20050035875" | "4701756" | "5959547" | "6229453" | "6816082").PN. OR ("7148812").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L791	1	("5959547").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L792	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L793	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

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			EPO)				10:21 AM
L794	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L795	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L796	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L797	41358	L108 L109 L110 L111 L112	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L798	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L799	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L800	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L801	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L802	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L803	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L804	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L805	0	L120 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L806	7	L120 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L807	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L808	4138	L123 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L809	1461	L124 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L810	368	L125 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L811	0	L126 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L812	1990	L113 and L114	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L813	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L814	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L815	935	L115 and L128	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L816	494	L131 and L129	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L817	937	L114 and L130	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L818	26	L132 and L133	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L819	34	L114 and L130 and L113	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L820	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L821	20394	L136 and L114	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L822	435	L137 and L130	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L823	5138	L116 L117 L118 L119 L121 L122 L127 L134 L135 L138	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L824	5138	L139	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L825	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L826	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L827	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L828	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L829	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L830	41358	L144 L145 L146 L147 L148	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L831	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L832	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L833	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L834	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L835	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L836	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L837	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L838	0	L156 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L839	7	L156 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L840	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L841	4138	L159 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L842	1461	L160 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L843	368	L161 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L844	0	L162 and ("700"/$.ccls.	(US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

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		"702"/$.ccls.)	EPO)				10:21 AM
L845	1990	L149 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L846	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L847	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L848	935	L151 and L164	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L849	494	L167 and L165	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L850	937	L150 and L166	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L851	26	L168 and L169	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L852	34	L150 and L166 and L149	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L853	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L854	20394	L172 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L855	435	L173 and L166	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L856	5138	L152 L153 L154 L155 L157 L158 L163 L170 L171 L174	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L857	5138	L175	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L858	5138	L176	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L859	6439	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L860	1829	L178 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L861	1197	L179 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L862	46	L180 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L863	59	L178 and L166 and L165	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L864	5219	L182 L183 L177	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L865	59	("4007450" | "4888726" | "5560005" | "5724575"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM

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		| "5828851" | "5838563" | "5845230" | "5956483" | "6000045" | "6131120" | "6263487" | "6701437" | "6799077").PN. OR ("7289994").URPN.					
L866	1	("20090055029").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L867	46	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L868	2	L187 and pid	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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IPR2024-00737-U.S. Patent No. 11,175,680

L869	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L870	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L871	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L872	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L873	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L874	41358	L189 L190 L191 L192 L193	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L875	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L876	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L877	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L878	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L879	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L880	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L881	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L882	0	L201 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L883	7	L201 and (oil near2	(US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

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IPR2024-00737-U.S. Patent No. 11,175,680

		water)	EPO)				10:21 AM
L884	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L885	4138	L204 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L886	1461	L205 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L887	368	L206 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L888	0	L207 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L889	1990	L194 and L195	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L890	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L891	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L892	935	L196 and L209	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L893	494	L212 and L210	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L894	937	L195 and L211	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L895	26	L213 and L214	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L896	34	L195 and L211 and L194	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L897	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L898	20394	L217 and L195	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L899	435	L218 and L211	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L900	5138	L197 L198 L199 L200 L202 L203 L208 L215 L216 L219	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L901	5138	L220	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L902	5138	L221	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L903	6439	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L904	1829	L223 and L195	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L905	1197	L224 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L906	46	L225 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L907	59	L223 and L211 and L210	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L908	5219	L226 L227 L222	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L909	5219	L228	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L910	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L911	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L912	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L913	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L914	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L915	41358	L230 L231 L232 L233 L234	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L916	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L917	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L918	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L919	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L920	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L921	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L922	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L923	0	L242 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L924	7	L242 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L925	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L926	4138	L245 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L927	1461	L246 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L928	368	L247 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L929	0	L248 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L930	1990	L235 and L236	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L931	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L932	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L933	935	L237 and L250	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L934	494	L253 and L251	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L935	937	L236 and L252	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L936	26	L254 and L255	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L937	34	L236 and L252 and L235	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L938	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L939	20394	L258 and L236	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L940	435	L259 and L252	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L941	5138	L238 L239 L240 L241 L243 L244 L249 L256	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		L257 L260					
L942	5138	L261	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L943	5138	L262	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L944	6439	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L945	1829	L264 and L236	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L946	1197	L265 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L947	46	L266 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L948	59	L264 and L252 and L251	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L949	5219	L267 L268 L263	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L950	5219	L269	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L951	5288	L270	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L952	6171	700/1,282,275,281,42.c cls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L953	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L954	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L955	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L956	553	340/853.3,853.2,856.3. ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L957	41358	L276 L277 L278 L279 L280	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L958	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L959	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L960	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L961	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L962	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L963	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM

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L964	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L965	0	L288 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L966	7	L288 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L967	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L968	4138	L291 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L969	1461	L292 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L970	368	L293 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L971	0	L294 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L972	1990	L281 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L973	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L974	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L975	935	L283 and L296	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L976	494	L299 and L297	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L977	937	L282 and L298	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L978	26	L300 and L301	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L979	34	L282 and L298 and L281	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L980	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L981	20394	L304 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L982	435	L305 and L298	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L983	5138	L284 L285 L286 L287 L289 L290 L295 L302 L303 L306	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L984	5138	L307	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L985	5138	L308	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L986	6439	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L987	1829	L310 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L988	1197	L311 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L989	46	L312 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L990	59	L310 and L298 and L297	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L991	5219	L313 L314 L309	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L992	5219	L315	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L993	5288	L316	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L994	5288	L317	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L995	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L996	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L997	3	L320 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L998	2	("20020018399").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L999	17	("5941305" | "5959547" | "5978749" | "6061603" | "6670880").PN. OR ("6801135").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1000	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1001	29	L324 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1002	12	L325 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1003	2	("7096092").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	OFF	OFF	2021/02/18 10:21 AM
L1004	1	("6967589").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1005	163	("5438329" | "5717718" | "5963650" | "6062095" | "6169488" | "6305471" | "6356205" | "6369715" | "6574652" | "6693553" | "6795319").PN. OR ("6967589").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1006	110	L329 and (cell cellular	(US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

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		wireless)	FPRS; EPO)				10:21 AM
L1007	80	L330 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1008	2	("20090055029").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1009	2	("20100033318").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1010	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		(WO-2008124765-$).did.					
L1011	20	L334 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1012	13	L335 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1013	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2021/02/18 10:21 AM
L1014	24	L337 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1015	17	L337 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1016	13	L338 and L339	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1017	2546	(web html) near4 (control controlling) near4 (actuator controller valve)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1018	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1019	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1020	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1021	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1022	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1023	41358	L342 L343 L344 L345 L346	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1024	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1025	199025	L348 L347	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1026	141	L341 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1027	185	L349 and L341	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1028	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1029	28	L349 and L352	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1030	18	L352 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1031	41	L353 L354	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1032	2	("20020018399").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1033	2	("5805926").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1034	2	("20030052180").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1035	1	("6967589").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1036	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1037	2	L360 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1038	2	L360 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1039	8	L360 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1040	6	L360 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1041	2	L360 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1042	1	("20020156837").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1043	1	("6799195").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	OFF	OFF	2021/02/18 10:21 AM
L1044	2	("20110051645").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1045	3	("5546301").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1046	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1047	24	L370 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1048	54754	(thread near4 (actuator sensor gui synchronize data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1049	10589	(thread near4 (actuator sensor gui synchronize data)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1050	7966	(thread near4 (actuator sensor gui synchronize data)).clm.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1051	54754	L372 L373 L374	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1052	16487	L373 L374	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1053	609	L375 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1054	154	L376 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1055	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1056	159	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1057	10	L380 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1058	12	("6249241"|"5819271"|"6810386"|"5805082"|"5875305"|"6208938").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1059	2	("6665568").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1060	13	("5973696" | "5982362" | "6138150" | "6170007" | "6201996" | "6311101").PN. OR ("6665568").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1061	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1062	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1063	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1064	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1065	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1066	41358	L385 L386 L387 L388 L389	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1067	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1068	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1069	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1070	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1071	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1072	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1073	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L1074	0	L397 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1075	7	L397 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1076	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1077	4138	L400 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1078	1461	L401 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1079	368	L402 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1080	0	L403 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1081	1990	L390 and L391	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1082	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1083	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1084	935	L392 and L405	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1085	494	L408 and L406	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1086	937	L391 and L407	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1087	26	L409 and L410	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1088	34	L391 and L407 and L390	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1089	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1090	20394	L413 and L391	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1091	435	L414 and L407	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1092	5138	L393 L394 L395 L396 L398 L399 L404 L411 L412 L415	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1093	6439	G05D7/0676;G05B9/02; E21B47/00;G05B2219/	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		23472.cpc.					
L1094	59	L417 and L407 and L406	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1095	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1096	3	L419 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1097	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1098	29	L421 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1099	12	L422 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1100	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1101	20	L424 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1102	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or	(US-PGPUB; USPAT)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1103	24	L426 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1104	17	L426 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1105	13	L427 and L428	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1106	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1107	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1108	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1109	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1110	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1111	41358	L430 L431 L432 L433 L434	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1112	159675	(G05D7/0676 or	(US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

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		H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	FPRS; EPO)				10:21 AM
L1113	199025	L436 L435	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1114	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1115	28	L437 and L438	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1116	18	L438 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1117	41	L439 L440	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1118	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1119	2	L442 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1120	8	L442 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1121	6	L442 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1122	2	L442 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1123	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1124	24	L447 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1125	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1126	159	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1127	10	L450 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1128	5371	L416 L449 L451 L448 L443 L444 L445 L446 L441 L440 L439 L429 L428 L427 L425 L420 L422 L423 L418	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1129	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1130	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1131	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1132	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1133	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1134	41358	L453 L454 L455 L456 L457	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1135	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1136	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1137	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1138	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1139	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1140	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1141	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1142	0	L465 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1143	7	L465 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1144	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1145	4138	L468 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1146	1461	L469 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1147	368	L470 and (oil near2	(US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

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		level)	EPO)				10:21 AM
L1148	0	L471 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1149	1990	L458 and L459	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1150	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1151	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1152	935	L460 and L473	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1153	494	L476 and L474	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1154	937	L459 and L475	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1155	26	L477 and L478	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1156	34	L459 and L475 and L458	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1157	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1158	20394	L481 and L459	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1159	435	L482 and L475	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1160	5138	L461 L462 L463 L464 L466 L467 L472 L479 L480 L483	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1161	6439	G05D7/0676;G05B9/02; E21B47/00;G05B2219/23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1162	59	L485 and L475 and L474	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1163	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L1164	3	L487 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1165	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1166	29	L489 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1167	12	L490 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1168	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1169	20	L492 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1170	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-	(US-PGPUB; USPAT)	OR	ON	ON	2021/02/18 10:21 AM

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		7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1171	24	L494 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1172	17	L494 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1173	13	L495 and L496	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1174	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1175	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1176	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1177	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1178	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1179	41358	L498 L499 L500 L501 L502	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1180	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1181	199025	L504 L503	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1182	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1183	28	L505 and L506	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1184	18	L506 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1185	41	L507 L508	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1186	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		(WO-2008124765-$).did.					
L1187	2	L510 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1188	8	L510 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1189	6	L510 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1190	2	L510 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1191	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1192	24	L515 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1193	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1194	159	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1195	10	L518 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1196	5371	L484 L517 L519 L516 L511 L512 L513 L514 L509 L508 L507 L497 L496 L495 L493 L488 L490 L491 L486	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1197	5371	L520	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1198	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1199	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1200	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1201	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1202	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1203	41358	L526 L527 L528 L529 L530	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1204	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1205	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1206	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM

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L1207	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1208	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1209	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1210	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1211	0	L538 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1212	7	L538 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1213	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1214	4138	L541 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1215	1461	L542 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1216	368	L543 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1217	0	L544 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1218	1990	L531 and L532	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1219	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1220	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1221	935	L533 and L546	(US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

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			EPO)				10:21 AM
L1222	494	L549 and L547	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1223	937	L532 and L548	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1224	26	L550 and L551	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1225	34	L532 and L548 and L531	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1226	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1227	20394	L554 and L532	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1228	435	L555 and L548	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1229	5138	L534 L535 L536 L537 L539 L540 L545 L552 L553 L556	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1230	6439	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1231	59	L558 and L548 and L547	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1232	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L1233	3	L560 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1234	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1235	29	L562 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1236	12	L563 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1237	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1238	20	L565 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1239	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-	(US-PGPUB; USPAT)	OR	ON	ON	2021/02/18 10:21 AM

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		6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1240	24	L567 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1241	17	L567 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1242	13	L568 and L569	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1243	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1244	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1245	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1246	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1247	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1248	41358	L571 L572 L573 L574 L575	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1249	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1250	199025	L577 L576	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1251	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1252	28	L578 and L579	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1253	18	L579 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1254	41	L580 L581	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1255	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1256	2	L583 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1257	8	L583 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1258	6	L583 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1259	2	L583 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1260	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM

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L1261	24	L588 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1262	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1263	159	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1264	10	L591 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1265	5371	L557 L590 L592 L589 L584 L585 L586 L587 L582 L581 L580 L570 L569 L568 L566 L561 L563 L564 L559	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1266	5430	L593	(US-PGPUB; USPAT; FPRS; EPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1267	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1268	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1269	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1270	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1271	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1272	41358	L595 L596 L597 L598 L599	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1273	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1274	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1275	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1276	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1277	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1278	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1279	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L1280	0	L607 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1281	7	L607 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1282	8179	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1283	4138	L610 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1284	1461	L611 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1285	368	L612 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1286	0	L613 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1287	1990	L600 and L601	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1288	4091205	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1289	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1290	935	L602 and L615	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1291	494	L618 and L616	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1292	937	L601 and L617	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1293	26	L619 and L620	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1294	34	L601 and L617 and L600	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1295	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1296	20394	L623 and L601	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1297	435	L624 and L617	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1298	5138	L603 L604 L605 L606 L608 L609 L614 L621 L622 L625	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1299	6439	G05D7/0676;G05B9/02; E21B47/00;G05B2219/23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1300	59	L627 and L617 and L616	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1301	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		5959547-$).did. or (WO-2008124765-$).did.					
L1302	3	L629 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1303	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1304	29	L631 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1305	12	L632 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1306	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1307	20	L634 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1308	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or	(US-PGPUB; USPAT)	OR	ON	ON	2021/02/18 10:21 AM

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		US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1309	24	L636 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1310	17	L636 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1311	13	L637 and L638	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1312	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1313	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1314	26701	709/224.ccls.	(US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

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			EPO)				10:21 AM
L1315	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1316	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1317	41358	L640 L641 L642 L643 L644	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1318	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1319	199025	L646 L645	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1320	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1321	28	L647 and L648	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1322	18	L648 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1323	41	L649 L650	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1324	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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		US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1325	2	L652 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1326	8	L652 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1327	6	L652 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1328	2	L652 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1329	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
L1330	24	L657 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1331	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1332	159	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1333	10	L660 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1334	5371	L626 L659 L661 L658 L653 L654 L655 L656 L651 L650 L649 L639 L638 L637 L635 L630 L632 L633 L628	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1335	5430	L662	(US-PGPUB; USPAT; FPRS; EPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1336	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1337	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1338	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1339	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1340	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1341	41358	L664 L665 L666 L667 L668	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1342	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1343	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1344	70	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/02/18 10:21 AM
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L1346	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1347	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/02/18 10:21 AM
L1348	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM

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L1353	1461	L680 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
L1354	368	L681 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
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L1356	1990	L669 and L670	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/02/18 10:21 AM
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		A1 OR US-20050096846-A1 OR US-20110231024-A1 OR US-20120310582-A1 OR US-20010032518-A1 OR US-20090055029-A1 OR US-20100033318-A1 OR US-20080077512-A1 OR US-20090149969-A1 OR US-20120316658-A1 OR US-20040231851-A1 OR US-20040262008-A1 OR US-20020112860-A1 OR US-20100147510-A1 OR US-20080208475-A1 OR US-20060271299-A1 OR US-20060240818-A1 OR US-20050092523-A1 OR US-20040088115-A1 OR US-20030182463-A1 OR US-20020169645-A1 OR US-20140163749-A1).did. AND PGPB.dbnm.) OR ((WO-2008124765-A1).did. AND EPAB.dbnm.)					
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L1372	17	(US-20090260829-$ or US-20020112860-$ or US-20040262008-$ or US-20070107903-$ or US-20040251030-$).did. or (US-7000693-$ or US-6420976-$ or US-7967066-$ or US-RE41173-$ or US-7148812-$ or US-6768700-$ or US-7845404-$ or US-6913083-$ or US-4636934-$ or US-5732776-$ or US-4052703-$ or US-7958938-$ or US-4755943-$).did.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
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		| "6012015" | "6046685" | "6068053" | "6075462" | "6125938" | "6160492" | "6161618" | "6176312" | "6179057" | "6192980" | "6192988" | "6209640" | "6247536" | "6257332" | "6271766" | "6276454" | "6279660" | "6281489" | "6288975" | "6296066" | "6422315" | "6469636" | "6498988" | "6622799" | "6670880" | "6717501" | "6788980" | "6801135" | "6816082" | "6851444").PN. OR ("7261162").URPN.					
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		$).did.					
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L1388	4261	L28 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1389	1502	L29 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1392	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1393	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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			EPO)				01:52 PM
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L1414	576	(local autonomous independent) and L45	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1415	550	L55 not L54	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1416	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1417	21028	L57 and L39	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1418	466	L58 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$).did. or (WO-2008124765-$).did.					
L1421	0	L61 and oscillate	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1427	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1428	41358	L64 L65 L66 L67 L68	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1429	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1430	402	L69 and L70 and "240"	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1431	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1432	935	L69 and L70 and L72	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1433	18	L73 and (inoperative in-operative stuck) adj3 (valve part)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1434	428	L70 and (stuck) adj3 (valve)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1435	428	L70 and ((stuck) adj3 (valve))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1436	465	L70 and ((frozen froze stuck) adj3 (valve))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1437	19	((move jerk oscillate move) near2 ((frozen froze stuck) adj3 (valve)))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1438	1	("4823749").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1439	1	("20010032518").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1440	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1441	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1442	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1443	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1444	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1445	0	L85 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1446	7	L85 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1447	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1448	4261	L88 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1449	1502	L89 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1450	370	L90 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1451	0	L91 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1452	1990	L69 and L70	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1453	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1454	36145	(local autonomous independent) near2 (controller control	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		device) near2 (operate operat$4 adjust drive move close)					
L1455	935	L72 and L93	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1456	494	L96 and L94	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1457	986	L70 and L95	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1458	26	L97 and L98	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1459	34	L70 and L95 and L69	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1460	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1461	21028	L101 and L70	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1462	466	L102 and L95	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1463	5450	L81 L82 L83 L84 L86 L87 L92 L99 L100 L103	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1464	75	("2004/0262008").URPN.	(USPAT)	OR	ON	ON	2021/07/14 01:52 PM
L1465	16	("20040262008" | "20050035875" | "4701756" | "5959547" | "6229453" | "6816082").PN. OR ("7148812").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1466	1	("5959547").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1467	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1468	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1469	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1470	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1471	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1472	41358	L108 L109 L110 L111 L112	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1473	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1474	4085594	(controller control device) near2 (operate	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		operat$4 adjust drive move close)					
L1475	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1476	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1477	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1478	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1479	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1480	0	L120 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1481	7	L120 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1482	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1483	4261	L123 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1484	1502	L124 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1485	370	L125 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1486	0	L126 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1487	1990	L113 and L114	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1488	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1489	36145	(local autonomous independent) near2 (controller control	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		device) near2 (operate operat$4 adjust drive move close)					
L1490	935	L115 and L128	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1491	494	L131 and L129	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1492	986	L114 and L130	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1493	26	L132 and L133	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1494	34	L114 and L130 and L113	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1495	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1496	21028	L136 and L114	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1497	466	L137 and L130	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1498	5450	L116 L117 L118 L119 L121 L122 L127 L134 L135 L138	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1499	5450	L139	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1500	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1501	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1502	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1503	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1504	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1505	41358	L144 L145 L146 L147 L148	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1506	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1507	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1508	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1509	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1510	13	(AMPLISINE adj2	(EPO; JPO;	OR	ON	ON	2021/07/14

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		LABS).as.	DERWENT)				01:52 PM
L1511	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1512	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1513	0	L156 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1514	7	L156 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1515	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1516	4261	L159 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1517	1502	L160 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1518	370	L161 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1519	0	L162 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1520	1990	L149 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1521	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1522	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1523	935	L151 and L164	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1524	494	L167 and L165	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1525	986	L150 and L166	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1526	26	L168 and L169	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1527	34	L150 and L166 and L149	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1528	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1529	21028	L172 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1530	466	L173 and L166	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1531	5450	L152 L153 L154 L155 L157 L158 L163 L170 L171 L174	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1532	5450	L175	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1533	5450	L176	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1534	6684	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1535	1892	L178 and L150	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1536	1240	L179 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1537	47	L180 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1538	63	L178 and L166 and L165	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1539	5535	L182 L183 L177	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1540	62	("4007450" | "4888726" | "5560005" | "5724575" | "5828851" | "5838563" | "5845230" | "5956483" | "6000045" | "6131120" | "6263487" | "6701437" | "6799077").PN. OR ("7289994").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1541	1	("20090055029").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1542	46	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L1543	2	L187 and pid	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1544	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1545	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1546	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1547	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1548	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1549	41358	L189 L190 L191 L192 L193	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1550	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		(well site disposal station)					
L1551	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1552	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1553	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1554	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1555	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1556	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1557	0	L201 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1560	4261	L204 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1561	1502	L205 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1562	370	L206 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1565	4228799	(internet network (web	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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		adj2 server))	EPO)				01:52 PM
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L1586	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
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			EPO)				01:52 PM
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		US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
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		7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
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L1685	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1686	20	L334 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
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L1694	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1695	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1696	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1712	2	L360 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1718	2	("6799195").PN.	(US-PGPUB; USPAT;	OR	OFF	OFF	2021/07/14

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L1726	57216	L372 L373 L374	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1727	17602	L373 L374	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1737	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1738	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1741	41358	L385 L386 L387 L388 L389	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1742	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1743	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1747	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1748	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1749	0	L397 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1750	7	L397 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1751	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1752	4261	L400 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1753	1502	L401 and (oil near2	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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L1757	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1758	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1759	935	L392 and L405	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1760	494	L408 and L406	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1761	986	L391 and L407	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1762	26	L409 and L410	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1763	34	L391 and L407 and L390	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1764	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1765	21028	L413 and L391	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1766	466	L414 and L407	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1767	5450	L393 L394 L395 L396 L398 L399 L404 L411 L412 L415	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1768	6684	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1770	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L1771	3	L419 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
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L1774	12	L422 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1775	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1776	20	L424 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1777	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-	(US-PGPUB; USPAT)	OR	ON	ON	2021/07/14 01:52 PM

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		8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
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L1780	13	L427 and L428	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1781	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1782	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1785	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1786	41358	L430 L431 L432 L433 L434	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1787	160297	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1789	447	((web html) near4 (control controlling) near4 (actuator	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		controller valve)).ab.					
L1790	27	L437 and L438	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1792	40	L439 L440	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1793	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1794	2	L442 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1797	2	L442 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1798	142	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1799	25	L447 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1800	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1801	161	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1805	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1806	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1808	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1809	41358	L453 L454 L455 L456 L457	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1810	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1811	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1812	76	((AARON) near2	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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		(PHILLIPS)).INV.	USOCR)				01:52 PM
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L1818	7	L465 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1819	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1820	4261	L468 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1821	1502	L469 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1822	370	L470 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1823	0	L471 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1824	1990	L458 and L459	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1825	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1826	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1827	935	L460 and L473	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1829	986	L459 and L475	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1830	26	L477 and L478	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1831	34	L459 and L475 and L458	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1832	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1833	21028	L481 and L459	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1834	466	L482 and L475	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L1839	3	L487 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1841	29	L489 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1842	12	L490 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
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L1854	41358	L498 L499 L500 L501 L502	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1855	160297	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1862	2	L510 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1863	8	L510 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1864	6	L510 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1865	2	L510 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1866	142	("5247447" | "5272642" | "5353229").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM

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		("5546301").URPN.					
L1867	25	L515 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1868	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1869	161	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1870	10	L518 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1871	5690	L484 L517 L519 L516 L511 L512 L513 L514 L509 L508 L507 L497 L496 L495 L493 L488 L490 L491 L486	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1873	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1874	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1875	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1876	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1877	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1878	41358	L526 L527 L528 L529 L530	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1879	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1880	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1881	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
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L1883	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1884	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1885	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L1886	0	L538 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1887	7	L538 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1888	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1889	4261	L541 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1890	1502	L542 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1891	370	L543 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1892	0	L544 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1893	1990	L531 and L532	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1894	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1895	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1896	935	L533 and L546	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1897	494	L549 and L547	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1898	986	L532 and L548	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1899	26	L550 and L551	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1900	34	L532 and L548 and L531	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1901	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1902	21028	L554 and L532	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1903	466	L555 and L548	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1904	5450	L534 L535 L536 L537 L539 L540 L545 L552 L553 L556	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1905	6684	G05D7/0676;G05B9/02; E21B47/00;G05B2219/23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1906	63	L558 and L548 and L547	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1907	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		5959547-$).did. or (WO-2008124765-$).did.					
L1908	3	L560 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1909	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1910	29	L562 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1911	12	L563 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1912	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1913	20	L565 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1914	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or	(US-PGPUB; USPAT)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1915	24	L567 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1916	17	L567 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L1918	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1919	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1920	26701	709/224.ccls.	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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			EPO)				01:52 PM
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L1922	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1923	41358	L571 L572 L573 L574 L575	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1924	160297	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1925	199646	L577 L576	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1926	447	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1927	27	L578 and L579	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1928	18	L579 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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		US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1931	2	L583 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1932	8	L583 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1933	6	L583 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1934	2	L583 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1935	142	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1936	25	L588 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1937	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1938	161	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1939	10	L591 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1940	5690	L557 L590 L592 L589 L584 L585 L586 L587 L582 L581 L580 L570 L569 L568 L566 L561 L563 L564 L559	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1941	5750	L593	(US-PGPUB; USPAT; FPRS; EPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1942	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1943	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1944	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1945	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1946	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1947	41358	L595 L596 L597 L598 L599	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1948	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1949	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1950	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L1951	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1952	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1953	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L1954	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L1955	0	L607 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1956	7	L607 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1957	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1958	4261	L610 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1959	1502	L611 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1960	370	L612 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1961	0	L613 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1962	1990	L600 and L601	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1963	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1964	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1965	935	L602 and L615	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1966	494	L618 and L616	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1967	986	L601 and L617	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1968	26	L619 and L620	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1969	34	L601 and L617 and L600	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1970	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1971	21028	L623 and L601	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1972	466	L624 and L617	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1973	5450	L603 L604 L605 L606 L608 L609 L614 L621 L622 L625	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1974	6684	G05D7/0676;G05B9/02; E21B47/00;G05B2219/23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1975	63	L627 and L617 and L616	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1976	46	(US-20040262008-$ or	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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		US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.	EPO)				01:52 PM
L1977	3	L629 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1978	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1979	29	L631 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1980	12	L632 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1981	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1982	20	L634 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1983	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or	(US-PGPUB; USPAT)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1984	24	L636 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1985	17	L636 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1986	13	L637 and L638	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1987	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1988	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1989	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1990	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1991	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1992	41358	L640 L641 L642 L643 L644	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1993	160297	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.					
L1994	199646	L646 L645	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1995	447	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1996	27	L647 and L648	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1997	18	L648 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1998	40	L649 L650	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L1999	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L2000	2	L652 and (leak adj4 sensor)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2001	8	L652 and (private)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2002	6	L652 and (carrier)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2003	2	L652 and (validity)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2004	142	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L2005	25	L657 and thread	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2006	0	(thread near4 (actuator and sensor and synchronize and data))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2007	161	(thread near4 (actuator and sensor))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2008	10	L660 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2009	5690	L626 L659 L661 L658 L653 L654 L655 L656 L651 L650 L649 L639 L638 L637 L635 L630 L632 L633 L628	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2010	5750	L662	(US-PGPUB; USPAT; FPRS; EPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2011	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2012	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2013	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2014	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2015	553	340/853.3,853.2,856.3.	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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		ccls.	EPO)				01:52 PM
L2016	41358	L664 L665 L666 L667 L668	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2017	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2018	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2019	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L2020	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2021	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2022	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2023	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2024	0	L676 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2025	7	L676 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2026	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2027	4261	L679 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2028	1502	L680 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2029	370	L681 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L2030	0	L682 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2031	1990	L669 and L670	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2032	11	("20020161685"|"20020169645"|"20030004624"|"20030182463"|"20040088115"|"20040231851"|"20050108504"|"20060240818"|"20080208475"|"20100295673"|"20120316658").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2033	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L2034	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2035	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2036	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2037	1	("20060149476").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2038	1	("20060271299").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2039	1	("20030065447").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2040	1	("4594665").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2041	1	("20050092523").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2042	1	("20060047527").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2043	5146	L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2044	17	(US-20090260829-$ or US-20020112860-$ or US-20040262008-$ or US-20070107903-$ or US-20040251030-$).did. or (US-7000693-$ or US-6420976-$ or US-7967066-$ or US-RE41173-$ or US-7148812-$ or US-6768700-$ or US-7845404-$ or US-6913083-$ or US-4636934-$ or US-5732776-$ or US-4052703-$ or US-7958938-$ or US-4755943-$).did.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM

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L2045	1	("7261162").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2046	164	("5331318" | "5597042" | "5662165" | "5706892" | "5706896" | "5721538" | "5730219" | "5732776" | "5803167" | "5868201" | "5934371" | "5941307" | "5959547" | "5975204" | "5992250" | "6006832" | "6012015" | "6046685" | "6068053" | "6075462" | "6125938" | "6160492" | "6161618" | "6176312" | "6179057" | "6192980" | "6192988" | "6209640" | "6247536" | "6257332" | "6271766" | "6276454" | "6279660" | "6281489" | "6288975" | "6296066" | "6422315" | "6469636" | "6498988" | "6622799" | "6670880" | "6717501" | "6788980" | "6801135" | "6816082" | "6851444").PN. OR ("7261162").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L2047	1	("20040262008").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2048	1	("7148812").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2049	1	("7958938").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2050	1	("7967066").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2051	1	("7845404").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2052	1	("6913083").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2053	1	("20020112860").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2054	1	("5732776").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2055	1	("4052703").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2056	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L2057	0	L25 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2058	7	L25 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2059	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2060	4261	L28 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2061	1502	L29 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2062	370	L30 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2063	0	L31 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2064	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2065	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2066	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2067	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2068	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2069	41358	L33 L34 L35 L36 L37	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2070	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2071	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2072	1990	L38 and L39	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2073	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2074	913	L41 and (internet network (web adj2	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		server))					
L2075	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2076	935	L40 and L41	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2077	494	L45 and L42	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2078	986	L39 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2079	26	L46 and L47	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2080	34	("2010/0147510").URPN.	(USPAT)	OR	ON	ON	2021/07/14 01:52 PM
L2081	164	("5331318" | "5597042" | "5662165" | "5706892" | "5706896" | "5721538" | "5730219" | "5732776" | "5803167" | "5868201" | "5934371" | "5941307" | "5959547" | "5975204" | "5992250" | "6006832" | "6012015" | "6046685" | "6068053" | "6075462" | "6125938" | "6160492" | "6161618" | "6176312" | "6179057" | "6192980" | "6192988" | "6209640" | "6247536" | "6257332" | "6271766" | "6276454" | "6279660" | "6281489" | "6288975" | "6296066" | "6422315" | "6469636" | "6498988" | "6622799" | "6670880" | "6717501" | "6788980" | "6801135" | "6816082" | "6851444").PN. OR ("7261162").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
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L2084	986	L39 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2085	766	L53 and (internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2086	576	(local autonomous	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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		independent) and L45	EPO)				01:52 PM
L2087	550	L55 not L54	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2088	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2089	21028	L57 and L39	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2090	466	L58 and L44	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2091	44	("20030004624"|"20040088115"|"20100147510"|"5732776"|"7931090"|"7967066"|"8312320"|"20130144531"|"8301386"|"20050108504"|"20100295673"|"20110231024"|"6061603"|"8386059"|"20100098507"|"20030182463"|"4052703"|"6192980"|"7958938"|"8373418"|"20130024026"|"20040231851"|"20060240818"|"7148812"|"7289994"|"20120316658"|"20040262008"|"7921916"|"8131510"|"8290737"|"20100326654"|"20020161685"|"20090149969"|"7845404"|"8179279"|"20020112860"|"20050096846"|"5149443"|"6801135"|"6913083"|"20130008645"|"20020169645"|"20080208475"|"7591308").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2092	37	(US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020161685-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$).did. or (WO-2008124765-$).did.					
L2093	0	L61 and oscillate	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2094	1	L61 and (stuck adj3 valve)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2095	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2096	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2097	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2098	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2099	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2100	41358	L64 L65 L66 L67 L68	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2101	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2102	402	L69 and L70 and "240"	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2103	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2104	935	L69 and L70 and L72	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2105	18	L73 and (inoperative in-operative stuck) adj3 (valve part)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2106	428	L70 and (stuck) adj3 (valve)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2107	428	L70 and ((stuck) adj3	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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		(valve))	EPO)				01:52 PM
L2108	465	L70 and ((frozen froze stuck) adj3 (valve))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2109	19	((move jerk oscillate move) near2 ((frozen froze stuck) adj3 (valve)))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2110	1	("4823749").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2111	1	("20010032518").PN.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2112	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L2113	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2114	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2115	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2116	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2117	0	L85 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2118	7	L85 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2119	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2120	4261	L88 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2121	1502	L89 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2122	370	L90 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L2123	0	L91 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2124	1990	L69 and L70	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2125	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2126	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2127	935	L72 and L93	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2128	494	L96 and L94	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2129	986	L70 and L95	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2130	26	L97 and L98	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2131	34	L70 and L95 and L69	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2132	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2133	21028	L101 and L70	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2134	466	L102 and L95	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2135	5450	L81 L82 L83 L84 L86 L87 L92 L99 L100 L103	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2136	75	("2004/0262008").URPN.	(USPAT)	OR	ON	ON	2021/07/14 01:52 PM
L2137	16	("20040262008" | "20050035875" | "4701756" | "5959547" | "6229453" | "6816082").PN. OR ("7148812").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
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L2140	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2141	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2142	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2143	553	340/853.3,853.2,856.3.	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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		ccls.	EPO)				01:52 PM
L2144	41358	L108 L109 L110 L111 L112	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2145	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2146	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2147	76	((AARON) near2 (PHILLIPS)).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L2148	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2149	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2150	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2151	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2152	0	L120 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2153	7	L120 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2154	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2155	4261	L123 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2156	1502	L124 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2157	370	L125 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L2158	0	L126 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2160	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2161	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2162	935	L115 and L128	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2163	494	L131 and L129	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2164	986	L114 and L130	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2165	26	L132 and L133	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2166	34	L114 and L130 and L113	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2167	1178714	(remote internet network) near2 (control monitor control$4 monitor$4 command)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2168	21028	L136 and L114	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2169	466	L137 and L130	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2170	5450	L116 L117 L118 L119 L121 L122 L127 L134 L135 L138	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2171	5450	L139	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2172	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2173	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2174	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2175	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2176	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2177	41358	L144 L145 L146 L147 L148	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2178	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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IPR2024-00737-U.S. Patent No. 11,175,680

L2179	4085594	(controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2184	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2194	36145	(local autonomous	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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		independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	EPO)				01:52 PM
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L2216	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2217	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2218	26701	709/224.ccls.	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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			EPO)				01:52 PM
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L2227	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
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L2232	4261	L204 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L2233	1502	L205 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2258	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2263	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2291	6684	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2294	47	L266 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2304	41358	L276 L277 L278 L279 L280	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2305	277677	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
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L2308	3	((AARON) near2 (PHILLIPS)).INV.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2309	13	(AMPLISINE adj2 LABS).as.	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
L2310	11	real-time and onsite and internet and communication	(EPO; JPO; DERWENT)	OR	ON	ON	2021/07/14 01:52 PM
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		US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L2312	0	L288 and (oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2313	7	L288 and (oil near2 water)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2314	8412	(oil near2 water near2 separation)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2315	4261	L291 and pump	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2316	1502	L292 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2317	370	L293 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2318	0	L294 and ("700"/$.ccls. "702"/$.ccls.)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2319	1990	L281 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2320	4228799	(internet network (web adj2 server))	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2321	36145	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2322	935	L283 and L296	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2323	494	L299 and L297	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2324	986	L282 and L298	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2325	26	L300 and L301	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2326	34	L282 and L298 and L281	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2327	1178714	(remote internet network) near2 (control	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		monitor control$4 monitor$4 command)					
L2328	21028	L304 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2329	466	L305 and L298	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2330	5450	L284 L285 L286 L287 L289 L290 L295 L302 L303 L306	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2331	5450	L307	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2332	5450	L308	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2333	6684	G05D7/0676;G05B9/02; E21B47/00;G05B2219/ 23472.cpc.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2334	1892	L310 and L282	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2335	1240	L311 and (oil near2 well)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2336	47	L312 and (oil near2 level)	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2337	63	L310 and L298 and L297	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2338	5535	L313 L314 L309	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2339	5535	L315	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2340	5606	L316	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2341	5606	L317	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2342	160297	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2343	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L2344	3	L320 and (network adj2 (address addresses))	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2345	2	("20020018399").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2346	17	("5941305" | "5959547" | "5978749" | "6061603" | "6670880").PN. OR ("6801135").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L2347	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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		US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L2348	29	L324 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2349	12	L325 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2350	2	("7096092").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	OFF	OFF	2021/07/14 01:52 PM
L2351	1	("6967589").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2352	172	("5438329" | "5717718" | "5963650" | "6062095" | "6169488" | "6305471" | "6356205" | "6369715" | "6574652" | "6693553" | "6795319").PN. OR ("6967589").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/14 01:52 PM
L2353	118	L329 and (cell cellular wireless)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2354	88	L330 and (web html)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2355	2	("20090055029").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2021/07/14

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			FPRS; EPO)				01:52 PM
L2356	2	("20100033318").PN.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2357	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2358	20	L334 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L2359	13	L335 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2360	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2021/07/14 01:52 PM
L2361	24	L337 and (address addresses)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2362	17	L337 and (cell cellular)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2363	13	L338 and L339	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM

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L2364	2620	(web html) near4 (control controlling) near4 (actuator controller valve)	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2365	6171	700/1,282,275,281,42.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2366	7062	702/6,13,183,188.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2367	26701	709/224.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2368	1170	166/336,363,250.1.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2369	553	340/853.3,853.2,856.3.ccls.	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2370	41358	L342 L343 L344 L345 L346	(US-PGPUB; USPAT; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2371	160297	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2372	199646	L348 L347	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2373	141	L341 and 700/$.ccls.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2374	186	L349 and L341	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2375	447	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM
L2376	27	L349 and L352	(US-PGPUB; USPAT; FPRS; EPO)	OR	ON	ON	2021/07/14 01:52 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N141	0	(translating plurality commands translated commands encoded plurality protocols different from the first protocol each translated command being translated into a protocol among the plurality of protocols	(US-PGPUB; USPAT)	AND	ON	ON	2013/10/25 01:15 PM

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		suitable for a fluid handling device to which the respective command is directed the at least some of the translated command being operative to cause a local controller of the given fluid-handling device to drive the given fluid-handling device to the plurality of different target states the local controller being responsive to the translated commands and feedback from the given fluid handling device indicative of whether the given fluid handling device is in a targeted state).clm.					
N142	0	(translating plurality commands translated commands encoded plurality protocols different from the first protocol each translated command being translated into a protocol among the plurality of protocols suitable for a fluid handling device to which the respective command is directed the at least some of the translated command being operative to cause a local controller of the given fluid-handling device).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2013/10/25 01:16 PM
N143	0	(sending the translated commands to respective local controllers of the respective fluid handling devices to which the respective commands are directed).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2013/10/25 01:16 PM
N272	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state	(US-PGPUB; USPAT)	AND	ON	ON	2015/09/21 08:51 AM

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		of at least one of the fluid handling devices based on at least some of the plurality of instructions comprises after receiving the instructions determining a plurality of different target states of the at least one of the fluid handling devices, the plurality of different states each corresponding to different times after determining the plurality of different target states translating each received instructions into one or more translated instructions encoded in the selected respective protocol or protocols the one or more translated instructions including the determined plurality of different target states).clm.					
N273	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions comprises after receiving the instructions determining a plurality of different target states of the at least one of the fluid handling devices).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2015/09/21 08:51 AM
N274	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2015/09/21 08:51 AM
N275	0	(the plurality of different states each	(US-PGPUB; USPAT)	AND	ON	ON	2015/09/21 08:51 AM

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		corresponding to different times after determining the plurality of different target states translating each received instructions into one or more translated instructions encoded in the selected respective protocol or protocols the one or more translated instructions including the determined plurality of different target states).clm.					
N522	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send	(US-PGPUB; USPAT)	AND	ON	ON	2017/09/26 08:20 AM

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		commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil or gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N523	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in	(US-PGPUB; USPAT)	AND	ON	ON	2017/09/26 08:20 AM

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		the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N524	0	(actuate an actuator entered via a presented control interface identify a network address in	(US-PGPUB; USPAT)	AND	ON	ON	2017/09/26 08:20 AM

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		the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N525	0	(a computer-implemented web interface module modules configured to	(US-PGPUB; USPAT)	AND	ON	ON	2017/09/26 08:20 AM

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		send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first).clm.					
N685	129	(a computer-	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15

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		implemented user-interface module or modules configured to send respective instructions to present respective control interfaces on respective user computing devices logged in to respective ones of the accounts and to receive respective commands to control respective actuators from the respective user computing devices wherein the system is configured to receive with the user-interface module modules a user command to actuate an actuator entered via a presented control interface identify an address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of fluid-handling facilities, one or more users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of fluid-handling facilities the second account corresponds to a second group of fluid-handling facilities, the first group being different from the second group one more users of the second account being authorized to send					08:45 AM

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		commands to remotely control fluid handling devices at the second group of fluid-handling facilities the third account corresponds to the first group of fluid-handling facilities one more users of the third account being authorized to view reports of data from fluid handling devices at the first group of fluid-handling facilities the fourth account corresponds to the second group of fluid-handling facilities, one more users of the of the fourth account being authorized to view reports of data from fluid handling devices at the second group of fluid-handling facilities).clm.					
N686	0	(user command to actuate an actuator entered via a presented control interface identify an address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of fluid-handling facilities, one or more users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of fluid-handling facilities the second account corresponds to	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM

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		a second group of fluid-handling facilities, the first group being different from the second group one more users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of fluid-handling facilities the third account corresponds to the first group of fluid-handling facilities one more users of the third account being authorized to view reports of data from fluid handling devices at the first group of fluid-handling facilities the fourth account corresponds to the second group of fluid-handling facilities, one more users of the of the fourth account being authorized to view reports of data from fluid handling devices at the second group of fluid-handling facilities).clm.					
N687	0	(translating plurality commands translated commands encoded plurality protocols different from the first protocol each translated command being translated into a protocol among the plurality of protocols suitable for a fluid handling device to which the respective command is directed the at least some of the translated command being operative to cause a local controller of the given fluid-handling device to drive the given fluid-handling device to the plurality of different target states	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM

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		the local controller being responsive to the translated commands and feedback from the given fluid handling device indicative of whether the given fluid handling device is in a targeted state).clm.					
N688	0	(translating plurality commands translated commands encoded plurality protocols different from the first protocol each translated command being translated into a protocol among the plurality of protocols suitable for a fluid handling device to which the respective command is directed the at least some of the translated command being operative to cause a local controller of the given fluid-handling device).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM
N689	0	(sending the translated commands to respective local controllers of the respective fluid handling devices to which the respective commands are directed).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM
N690	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions comprises after receiving the instructions determining a plurality of different target states of the at least one of the fluid handling devices, the plurality of different states each	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM

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		corresponding to different times after determining the plurality of different target states translating each received instructions into one or more translated instructions encoded in the selected respective protocol or protocols the one or more translated instructions including the determined plurality of different target states).clm.					
N691	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions comprises after receiving the instructions determining a plurality of different target states of the at least one of the fluid handling devices).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM
N692	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM
N693	0	(the plurality of different states each corresponding to different times after determining the plurality of different target states translating each received instructions into one or more translated instructions encoded in the selected respective protocol or protocols the one or more translated instructions including	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM

		the determined plurality of different target states).clm.					
N694	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
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		remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil or gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N695	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

		account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N696	0	(actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM

The Integration Group of The Americas EX. 1004 Page 231
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

		account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N697	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

		module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first).clm.					
N698	0	N687 N688 N689 N690 N691 N692 N693 N694 N695 N696 N697	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:45 AM
N699	0	(a computer-implemented user-interface module modules configured to send respective instructions to present respective control interfaces on respective user computing devices logged in to respective	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:46 AM

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
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		ones of the accounts and to receive respective commands to control respective actuators from the respective user computing devices wherein the system is configured to receive with the user-interface module modules a user command to actuate an actuator entered via a presented control interface identify an address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of fluid-handling facilities, one or more users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of fluid-handling facilities the second account corresponds to a second group of fluid-handling facilities, the first group being different from the second group one more users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of fluid-handling facilities the third account corresponds to the first group of fluid-handling facilities one more users of the third						

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		account being authorized to view reports of data from fluid handling devices at the first group of fluid-handling facilities the fourth account corresponds to the second group of fluid-handling facilities, one more users of the of the fourth account being authorized to view reports of data from fluid handling devices at the second group of fluid-handling facilities).clm.					
N700	0	N698 N699	(US-PGPUB; USPAT)	AND	ON	ON	2019/07/15 08:46 AM
N701	0	(record database command target fluid handling actuator set point).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2021/07/14 02:00 PM

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IPR2024-00737-U.S. Patent No. 11,175,680

Web Search History

date, time	web site	search string
7/14/2021 2:00:46 PM	Google Patents (old)	remote control of fluid actuator
7/14/2021 2:00:49 PM	Google Scholar	remote control of fluid actuator
7/14/2021 2:03:12 PM	Google Patents (old)	remote control of fluid actuator using set points and network
7/14/2021 2:03:15 PM	Google Scholar	remote control of fluid actuator using set points and network
7/14/2021 2:05:02 PM	Google Patents (old)	remote control of fluid actuator using set points and network address
7/14/2021 2:05:06 PM	Google Scholar	remote control of fluid actuator using set points and network address

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/656,319	Phillips, Aaron
	Examiner	Art Unit
	CHRISTOPHER E EVERETT	2116

CPC - Searched*		
Symbol	Date	Examiner
G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472	02/18/2021	CEE

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Search of G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472 using text searches	02/18/2021	CEE
Search of 700/1,282,275,281,42 using text searches	02/18/2021	CEE
Review of file histories and search histories for parent application nos . 13/708557; 14/147190; 14/984422; 15/867077	02/18/2021	CEE
Search of DAV using inventor search	02/18/2021	CEE
Search of PE2E Search using inventor, applicant, and text searches	02/18/2021	CEE
Search of Google patent using text searches	02/18/2021	CEE
Search of Google scholar using text searches	02/18/2021	CEE
Update of PE2E Search and subclass search as described above	07/14/2021	CEE
Search of Google patent using text searches	07/14/2021	CEE
Search of Google scholar using text searches	07/14/2021	CEE

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

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/656,319	Phillips, Aaron
	Examiner	Art Unit
	CHRISTOPHER E EVERETT	2116

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
	Search of USPAT and USPGPUB using text searches	07/14/2021	CEE

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

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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P.O. Box 1450
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www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

909 7590 07/22/2021
Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

EXAMINER
EVERETT, CHRISTOPHER E

ART UNIT	PAPER NUMBER
2116	

DATE MAILED: 07/22/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/656,319	10/17/2019	Aaron Phillips	034392-0508266	2059

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	$600	$0.00	$0.00	$600	10/22/2021

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 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity 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 and an extra copy of the form should be submitted. 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.

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

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 including the Patent, advance orders and notification of maintenance fees 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.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

909 7590 07/22/2021
Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/656,319	10/17/2019	Aaron Phillips	034392-0508266	2059

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	$600	$0.00	$0.00	$600	10/22/2021

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/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

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) ❑ Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via EFS-Web ❑ 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 _____ Registration No. _____

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Ener-Tro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/656,319	10/17/2019	Aaron Phillips	034392-0508266	2059

909 7590 07/22/2021

Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

EXAMINER	
EVERETT, CHRISTOPHER E	
ART UNIT	PAPER NUMBER
2116	

DATE MAILED: 07/22/2021

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.

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
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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. 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:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
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.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
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.

Notice of Allowability	Application No. 16/656,319	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 6/23/2021.
   ☐ 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 21-40 . 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)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

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

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

DETAILED ACTION

1. The Office Action is responsive to the communication filed on 6/23/2021.

2. Claims 21-40 are pending.

Notice of Pre-AIA or AIA Status

3. The present application is being examined under the pre-AIA first to invent provisions.

Response to Amendment

4. The double patenting rejection to claims 1-20 is now moot and the rejection has been removed.

Allowable Subject Matter

5. Claims 21-40 are allowed.

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

Claims 21-39

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

> 21. (new) A non-transitory, machine-readable medium comprising instructions to effectuate operations, the operations comprising:

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

> receiving, with a server, a command comprising a target value of a fluid-handling device from a computing device via a control interface, wherein the command is received in association with a record stored on a datastore;
>
> determining, with the server, a network address of a network based on the record, wherein the network address identifies a controller of the fluid-handling device, and wherein the controller accesses a sensor to measure a fluid being handled by the fluid-handling device and an actuator of the fluid-handling device;
>
> sending, with the server, the target value to the network address via the network;
>
> receiving, with the controller, a measurement of the fluid by the sensor;
>
> determining, with the controller, whether the measurement satisfies the target value;
>
> in response to a determination that the measurement does not satisfy the target value, obtaining, with the controller, a set point based on the command; and
>
> controlling, with the controller, the actuator based on the set point.

Dependent claims 22-39 depend from independent claim 21 and are allowable for the same reasons as described above.

Claim 40

Independent claim 40 is substantially similar to independent claim 21 and is allowable for the same reasons as outlined above with respect to claim 21.

7. 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 on 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, Kenneth Lo can be reached on 571-272-9774. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see https://ppair-my.uspto.gov/pair/PrivatePair. Should you have questions on access to

the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/656,319	Phillips, Aaron
	Examiner	**Art Unit**
	CHRISTOPHER E EVERETT	2116

CPC						
Symbol					**Type**	**Version**
G05D	/	7	/	0676	F	2013-01-01
E21B	/	47	/	00	I	2013-01-01
G05B	/	9	/	02	I	2013-01-01
G05B	/	19	/	0428	I	2013-01-01
G06F	/	3	/	0484	I	2013-01-01
H04L	/	67	/	02	I	2013-01-01
G05B	/	2219	/	25204	A	2013-01-01
G05B	/	2219	/	31369	A	2013-01-01
G05B	/	2219	/	23472	A	2013-01-01
G05B	/	2219	/	24015	A	2013-01-01

CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	20	
/Christopher E. Everett/ Primary Examiner, Art Unit 2116	14 July 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210714

The Integration Group of The Americas Ex. 1004-Page 248
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/656,319	Phillips, Aaron
	Examiner	**Art Unit**
	CHRISTOPHER E EVERETT	2116

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G05B19/042	/	19	/	042

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	20	
/Christopher E. Everett/ Primary Examiner, Art Unit 2116	14 July 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20210714

The Integration Group of The Americas Ex. 1004-Page 249
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/656,319	Phillips, Aaron
	Examiner	**Art Unit**
	CHRISTOPHER E EVERETT	2116

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	20	
/Christopher E. Everett/ Primary Examiner, Art Unit 2116	14 July 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20210714

The Integration Group of The Americas Ex. 1004-Page 250
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Bibliographic Data

Application No: 16/656,319

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /Christopher E. Everett/ Examiner's Signature | Initials

Title: REMOTE CONTROL OF FLUID-HANDLING DEVICES

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
10/17/2019	700	2116	034392-0508266
RULE			

APPLICANTS

SitePro, Inc., Lubbock, TX, UNITED STATES

INVENTORS

Aaron Phillips, Lubbock, TX, UNITED STATES

CONTINUING DATA

This application is a CON of 15867077 01/10/2018 PAT 10488871

15867077 is a CON of 14984422 12/30/2015 PAT 9898014

14984422 is a CON of 14147190 01/03/2014 PAT 9342078

14147190 is a CON of 13708557 12/07/2012 PAT 8649909

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

11/04/2019

**** SMALL ENTITY ****

STATE OR COUNTRY

UNITED STATES

ADDRESS

Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102
UNITED STATES

FILING FEE RECEIVED

$865

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/656,319	Filing Date 10/17/2019	☐ To be Mailed

ENTITY: ☐ LARGE ☑ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $230 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	06/23/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0		x $50 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		x $240 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/ROSS W BROWN/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

This collection of information is required by 37 CFR 1.16. 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 12 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, 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Electronic Patent Application Fee Transmittal

Application Number:	16656319
Filing Date:	17-Oct-2019
Title of Invention:	REMOTE CONTROL OF FLUID-HANDLING DEVICES
First Named Inventor/Applicant Name:	Aaron Phillips
Filer:	AnTu Xie/Nicole Banks
Attorney Docket Number:	034392-0508266

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 1 month with $0 paid	2251	1	110	110
Miscellaneous:				
		Total in USD ($)		**110**

REMARKS

In the office action, the Examiner rejected claims 1-20. By this response, Applicant cancels claims 1-20 and adds new claims 21-40. Upon entry of these amendments, claims 21-40 are pending in the present application and are believed to be in condition for allowance. Support for the amendments may be found in the originally-filed application in at least paragraphs 17, 20, 22, 24-34. No new matter is added. 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 Examiner provisionally rejects claims 1-20 on the ground of nonstatutory double patenting. Applicant has cancelled claims 1-20 and requests withdrawal of the rejection.

Claim Rejections under 35 U.S.C. § 103(a)

The Examiner rejected claims 1-20 under 35 U.S.C. 103(a). Applicant has cancelled claims 1-20 and requests withdrawal of the rejection.

New Claims

The new claims are believed to be in condition for allowance. The new claims are supported by the application as filed. Accordingly, Applicant respectfully asks that the new claims be allowed.

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

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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.

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
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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: 23 June 2021

/Antu Xie, Reg. No. 70329/

Antu Xie
Registration No. 70329
Pillsbury Winthrop Shaw Pittman LLP
P.O. Box 10500
McLean, VA 22102
Phone 512-580-9676

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Electronic Acknowledgement Receipt

EFS ID:	43071894
Application Number:	16656319
International Application Number:	
Confirmation Number:	2059
Title of Invention:	REMOTE CONTROL OF FLUID-HANDLING DEVICES
First Named Inventor/Applicant Name:	Aaron Phillips
Customer Number:	909
Filer:	AnTu Xie/Nicole Banks
Filer Authorized By:	AnTu Xie
Attorney Docket Number:	034392-0508266
Receipt Date:	23-JUN-2021
Filing Date:	17-OCT-2019
Time Stamp:	18:23:52
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$110
RAM confirmation Number	E20216MI24173369
Deposit Account	033975
Authorized User	Nicole Banks

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		034392-0508266_Response_to_Non-Final_Office_Action_filed_23JUN2021.pdf	211160 77d01d4916b3fb5b6d0c1cb99acec9a343040f3b	yes	9
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	6	
	Applicant Arguments/Remarks Made in an Amendment		7	9	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30810 623ba971f68024930ea4adbd1175c903ef3cda2e	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	241970		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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. (cancelled)

21. (new) A non-transitory, machine-readable medium comprising instructions to effectuate operations, the operations comprising:

receiving, with a server, a command comprising a target value of a fluid-handling device from a computing device via a control interface, wherein the command is received in association with a record stored on a datastore;

determining, with the server, a network address of a network based on the record, wherein the network address identifies a controller of the fluid-handling device, and wherein the controller accesses a sensor to measure a fluid being handled by the fluid-handling device and an actuator of the fluid-handling device;

sending, with the server, the target value to the network address via the network;

receiving, with the controller, a measurement of the fluid by the sensor;

determining, with the controller, whether the measurement satisfies the target value;

in response to a determination that the measurement does not satisfy the target value, obtaining, with the controller, a set point based on the command; and

controlling, with the controller, the actuator based on the set point.

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

the controller is a site master-controller;

the site master-controller controls a plurality of local controllers, the plurality of local controllers comprising a first local controller in communication with the actuator;

controlling the actuator with the controller based on the set point comprises:

sending the set point from the site master-controller to the first local

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controller; and

actuating, with the first local controller, the actuator based on the set point.

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

obtaining the set point comprises determining a sequence of set points based on the command; and

controlling the actuator comprises controlling the actuator to a plurality of different states based on the sequence of set points.

24. (new) The medium of claim 21, wherein the command is a first command, and wherein sending the command to the network address comprises:

identifying a protocol of the fluid-handling device based on the network address;

translating the first command into a translated command based on the protocol; and

sending the translated command to the controller.

25. (new) The medium of claim 24, wherein identifying the protocol comprises parsing an identifier from the first command and retrieving a corresponding record from a set of records based on the identifier, the corresponding record including a protocol identifier of the protocol.

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

the set point is a first set point;

the command comprises the first set point and a second set point;

obtaining the first set point comprises obtaining the first set point and the second set point from the command;

the measurement is a first measurement;

the operations further comprises:

receiving, with the controller, a second sensor measurement after controlling the actuator based on the first set point;

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determining, with the controller, whether the second sensor measurement satisfies a criterion based on the first set point; and

in response to a determination that the first set point is satisfied, controlling the actuator based on the second set point.

27. (new) The medium of claim 21, wherein the record is a first record, the operations further comprising sending sensor data from the sensor to a plurality of records that comprises the first record, wherein the plurality of records is associated with a user.

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

the actuator controls a valve;

the command comprises instructions to oscillate the valve using the actuator; and

controlling the actuator comprises translating, at the controller, the command to oscillate the valve into a sequence of high voltage and low voltage signals.

29. (new) The medium of claim 21, wherein the measurement comprises at least one of a fluid flow rate, a fluid temperature, or a fluid pressure.

30. (new) The medium of claim 21, wherein the fluid-handling device is a first fluid-handling device of a plurality of fluid-handling devices, the operations further comprising:

polling, with the controller, the plurality of fluid-handling devices to collect a set of data comprising the measurement; and

sending the set of data from the controller to the server.

31. (new) The medium of claim 21, wherein the network comprises a wireless network, and sending the command comprises sending the command via a wireless signal.

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

the measurement is a first measurement of a plurality of measurements of the sensor;

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wherein the target value is a value of a pattern of values; and

determining whether the measurement satisfies the target value comprises determining whether the plurality of measurements satisfies the pattern of values.

33. (new) The medium of claim 32, wherein the pattern of values comprises a pattern of valve configurations.

34. (new) The medium of claim 21, wherein the sensor comprises a level sensor of a separation tank to indicate a level at which a first fluid phase meets a second fluid phase.

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

the server comprises a web server; and

the controller comprises a site server distinct from the web server.

36. (new) The medium of claim 35, wherein:

the server communicates with a plurality of user devices via a first network port of the web server, wherein the plurality of user devices comprises the computing device; and

the site server communicates with facilities via a second network port of the computing device, wherein the second network port being different from the first network port, and wherein a facility of the facilities comprises the fluid-handling device.

37. (new) The medium of claim 21, wherein controlling the actuator based on the set point comprise steps for controlling the actuator.

38. (new) The medium of claim 21, wherein receiving the command comprises receiving the command via a web interface on the computing device.

39. (new) The medium of claim 21, wherein the controller is communicatively coupled to the fluid-handling device via a frame-based carrier-sense multiple access protocol.

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40. (new) A method comprising:

receiving, with a server, a command comprising a target value of a fluid-handling device from a computing device via a control interface, wherein the command is received in association with a record stored on a datastore;

determining, with the server, a network address of a network based on the record, wherein the network address identifies a controller of the fluid-handling device, and wherein the controller accesses a sensor to measure a fluid being handled by the fluid-handling device and an actuator of the fluid-handling device;

sending, with the server, the target value to the network address via the network;

receiving, with the controller, a measurement of the fluid by the sensor;

determining, with the controller, whether the measurement satisfies the target value;

in response to a determination that the measurement does not satisfy the target value, obtaining, with the controller, a set point based on the command; and

controlling the actuator based on the set point.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Aaron Phillips	§	
	§	Group Art Unit: 2116
	§	Confirmation No.: 2059
Serial No.: 16/656,319	§	Examiner: Everett, Christopher E.
Filed: 17 October 2019	§	
	§	
For: REMOTE CONTROL OF FLUID-HANDLING DEVICES	§	Atty. Docket: 034392-0508266
	§	

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

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:

23 June 2021	/Antu Xie, Reg. No. 70329/
Date	Antu Xie, Reg. No. 70329

Commissioner:

AMENDMENT AND RESPONSE
TO NON-FINAL OFFICE ACTION ISSUED ON 23 FEBRUARY 2021

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.

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Web Search History

date, time	web site	search string
2/18/2021 9:52:10 AM	Google	14984422
2/18/2021 9:52:41 AM	Google	15867077
2/18/2021 10:41:38 AM	Google Patents (old)	remote oil field control and monitoring system
2/18/2021 10:41:38 AM	Google	remote oil field control and monitoring system
2/18/2021 10:41:43 AM	Google Scholar	remote oil field control and monitoring system
2/18/2021 10:45:33 AM	Google Patents (old)	remote oil field control and monitoring system using local and remote web servers
2/18/2021 10:45:33 AM	Google	remote oil field control and monitoring system using local and remote web servers
2/18/2021 10:45:37 AM	Google Scholar	remote oil field control and monitoring system using local and remote web servers

PE2E SEARCH - Search History (Prior Art)

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		7967066-$ or US-RE41173-$ or US-7148812-$ or US-6768700-$ or US-7845404-$ or US-6913083-$ or US-4636934-$ or US-5732776-$ or US-4052703-$ or US-7958938-$ or US-4755943-$).did.					
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L98	343	L70 and L95	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/06/12 11:14 AM
L99	6	L97 and L98	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/06/12 11:14 AM
L100	10	L70 and L95 and L69	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/06/12 11:14 AM
L101	528886	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/06/12 11:14 AM
L102	9459	L101 and L70	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/06/12 11:14 AM
L103	110	L102 and L95	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/06/12 11:14 AM
L104	158	L81 L82 L83 L84 L86 L87 L92 L99 L100 L103	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/06/12 11:14 AM
L105	16	("2004/0262008").URPN.	USPAT	OR	ON	ON	2013/10/25 12:32 PM
L106	9	("20040262008" | "20050035875" |	US-PGPUB; USPAT; USOCR	OR	ON	ON	2013/10/25 12:39 PM

		"4701756" | "5959547" | "6229453" | "6816082").PN. OR ("7148812").URPN.					
L107	1	("5959547").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:45 PM
L108	4578	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L109	6150	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L110	20349	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L111	850	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L112	486	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L113	32148	L108 L109 L110 L111 L112	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L114	177528	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L115	2253717	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L116	36	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2013/10/25 12:46 PM
L117	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2013/10/25 12:46 PM
L118	0	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2013/10/25 12:46 PM
L119	5	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2013/10/25 12:46 PM
L120	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM

		US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L121	0	L120 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L122	7	L120 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L123	4935	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L124	2501	L123 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L125	917	L124 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L126	257	L125 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L127	2	L126 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L128	1540	L113 and L114	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L129	1987225	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L130	16785	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L131	707	L115 and L128	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L132	351	L131 and L129	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L133	357	L114 and L130	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM

L134	6	L132 and L133	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L135	10	L114 and L130 and L113	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L136	553323	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L137	9948	L136 and L114	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L138	117	L137 and L130	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L139	166	L116 L117 L118 L119 L121 L122 L127 L134 L135 L138	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L140	166	L139	US-PGPUB; USPAT; EPO	OR	ON	ON	2013/10/25 12:46 PM
L144	4914	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L145	6494	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L146	22712	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L147	948	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L148	511	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L149	35297	L144 L145 L146 L147 L148	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L150	188122	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L151	2416039	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L152	38	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2014/07/22 04:19 PM
L153	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2014/07/22 04:19 PM

L154	2	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2014/07/22 04:19 PM
L155	5	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2014/07/22 04:19 PM
L156	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L157	0	L156 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L158	7	L156 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L159	5262	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L160	2663	L159 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L161	969	L160 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L162	268	L161 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L163	4	L162 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L164	1686	L149 and L150	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L165	2171012	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L166	18312	(local autonomous	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22

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		independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)					04:19 PM
L167	776	L151 and L164	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L168	390	L167 and L165	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L169	383	L150 and L166	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L170	8	L168 and L169	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L171	12	L150 and L166 and L149	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L172	605853	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L173	10936	L172 and L150	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L174	129	L173 and L166	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L175	178	L152 L153 L154 L155 L157 L158 L163 L170 L171 L174	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L176	178	L175	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L177	178	L176	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:19 PM
L178	2489	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:20 PM
L179	645	L178 and L150	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:28 PM
L180	452	L179 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:28 PM
L182	15	L180 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:28 PM
L183	16	L178 and L166 and L165	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22

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SitePro, Inc. v. WaterBridge Resources, LLC et al.
IPR2024-00737-U.S. Patent No. 11,175,680

							04:29 PM
L184	204	L182 L183 L177	US-PGPUB; USPAT; EPO	OR	ON	ON	2014/07/22 04:29 PM
L185	23	("4007450" | "4888726" | "5560005" | "5724575" | "5828851" | "5838563" | "5845230" | "5956483" | "6000045" | "6131120" | "6263487" | "6701437" | "6799077").PN. OR ("7289994").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2015/02/23 04:41 PM
L186	1	("20090055029").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 02:23 PM
L187	46	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 02:45 PM

		6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L188	2	L187 and pid	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 02:45 PM
L189	5307	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L190	6733	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L191	24915	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L192	1044	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L193	530	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L194	38241	L189 L190 L191 L192 L193	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L195	197343	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L196	2561451	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L197	39	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2015/03/06 04:10 PM
L198	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2015/03/06 04:10 PM
L199	2	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2015/03/06 04:10 PM
L200	6	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2015/03/06 04:10 PM
L201	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM

		US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L202	0	L201 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L203	7	L201 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L204	5538	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L205	2804	L204 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L206	1031	L205 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L207	287	L206 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L208	4	L207 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L209	1822	L194 and L195	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L210	2334181	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L211	19758	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L212	846	L196 and L209	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L213	432	L212 and L210	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L214	411	L195 and L211	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM

L215	10	L213 and L214	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L216	17	L195 and L211 and L194	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L217	652812	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L218	11860	L217 and L195	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L219	139	L218 and L211	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L220	192	L197 L198 L199 L200 L202 L203 L208 L215 L216 L219	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L221	192	L220	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L222	192	L221	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L223	2737	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L224	706	L223 and L195	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L225	492	L224 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L226	16	L225 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L227	16	L223 and L211 and L210	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L228	219	L226 L227 L222	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L229	219	L228	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/03/06 04:10 PM
L230	5577	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L231	6864	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM

L232	25873	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L233	1107	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L234	547	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L235	39674	L230 L231 L232 L233 L234	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L236	205047	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L237	2685982	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L238	43	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2015/09/21 08:46 AM
L239	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2015/09/21 08:46 AM
L240	3	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2015/09/21 08:46 AM
L241	6	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2015/09/21 08:46 AM
L242	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L243	0	L242 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM

L244	7	L242 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L245	5794	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L246	2926	L245 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L247	1087	L246 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L248	297	L247 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L249	4	L248 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L250	1898	L235 and L236	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L251	2471267	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L252	21038	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L253	891	L237 and L250	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L254	452	L253 and L251	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L255	430	L236 and L252	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L256	10	L254 and L255	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L257	17	L236 and L252 and L235	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L258	692562	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L259	12566	L258 and L236	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L260	153	L259 and L252	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM

L261	210	L238 L239 L240 L241 L243 L244 L249 L256 L257 L260	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L262	210	L261	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L263	210	L262	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L264	2965	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L265	752	L264 and L236	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L266	523	L265 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L267	16	L266 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L268	18	L264 and L252 and L251	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L269	239	L267 L268 L263	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L270	239	L269	US-PGPUB; USPAT; EPO	OR	ON	ON	2015/09/21 08:46 AM
L271	239	L270	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2015/09/21 08:46 AM
L276	6137	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L277	7043	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L278	26619	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L279	1160	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L280	554	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L281	41214	L276 L277 L278 L279 L280	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L282	223345	(oil hydrocarbon (hydro adj2 carbon) gas) near2	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM

		(well site disposal station)					
L283	2986529	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L284	60	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2016/12/07 04:13 PM
L285	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2016/12/07 04:13 PM
L286	7	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2016/12/07 04:13 PM
L287	7	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2016/12/07 04:13 PM
L288	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L289	0	L288 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L290	7	L288 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L291	6407	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L292	3258	L291 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L293	1220	L292 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L294	338	L293 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07

							04:13 PM
L295	6	L294 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L296	2046	L281 and L282	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L297	2802086	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L298	24197	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L299	976	L283 and L296	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L300	511	L299 and L297	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L301	499	L282 and L298	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L302	15	L300 and L301	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L303	22	L282 and L298 and L281	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L304	788452	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L305	14396	L304 and L282	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L306	185	L305 and L298	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L307	262	L284 L285 L286 L287 L289 L290 L295 L302 L303 L306	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L308	262	L307	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L309	262	L308	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L310	3692	G05D7/0676;G05B9/02;E21B47/00;G05B2219/234	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM

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		72.cpc.					
L311	1005	L310 and L282	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L312	680	L311 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L313	20	L312 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L314	22	L310 and L298 and L297	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L315	293	L313 L314 L309	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L316	293	L315	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM
L317	293	L316	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:13 PM
L318	293	L317	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:13 PM
L319	81003	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:13 PM
L320	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:13 PM

		or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L321	4	L320 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:19 PM
L322	2	("20020018399").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:26 PM
L323	13	("5941305" | "5959547" | "5978749" | "6061603" | "6670880").PN. OR ("6801135").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2016/12/07 04:27 PM
L324	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/07 04:28 PM

		US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L325	29	L324 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:28 PM
L326	12	L325 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:29 PM
L327	2	("7096092").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	OFF	OFF	2016/12/07 04:29 PM
L328	1	("6967589").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:31 PM
L329	91	("5438329" | "5717718" | "5963650" | "6062095" | "6169488" | "6305471" | "6356205" | "6369715" | "6574652" | "6693553" | "6795319").PN. OR ("6967589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2016/12/07 04:32 PM
L330	47	L329 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:33 PM
L331	23	L330 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:33 PM
L332	2	("20090055029").PN.	US-PGPUB; USPAT;	OR	ON	ON	2016/12/07

			FPRS; EPO				04:34 PM
L333	2	("20100033318").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/07 04:35 PM
L334	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/08 12:05 PM

L335	20	L334 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 12:05 PM
L336	13	L335 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 12:22 PM
L337	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.	US-PGPUB; USPAT	OR	ON	ON	2016/12/08 12:28 PM
L338	24	L337 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:31 PM

L339	17	L337 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:31 PM
L340	13	L338 and L339	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:32 PM
L341	2230	(web html) near4 (control controlling) near4 (actuator controller valve)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:48 PM
L342	6137	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/08 01:48 PM
L343	7043	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/08 01:48 PM
L344	26619	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/08 01:48 PM
L345	1160	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/08 01:48 PM
L346	554	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/08 01:48 PM
L347	41214	L342 L343 L344 L345 L346	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/08 01:48 PM
L348	81068	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:48 PM
L349	120388	L348 L347	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:48 PM
L350	155	L341 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:49 PM
L351	145	L349 and L341	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:53 PM
L352	387	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:53 PM
L353	20	L349 and L352	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:54 PM

L354	19	L352 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:54 PM
L355	34	L353 L354	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 01:54 PM
L356	2	("20020018399").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/08 02:01 PM
L357	1	("5805926").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 08:48 AM
L358	2	("20030052180").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 08:55 AM
L359	1	("6967589").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 10:24 AM
L360	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2016/12/09 11:51 AM

		8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L361	2	L360 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 11:51 AM
L362	2	L360 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 11:51 AM
L363	8	L360 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 11:52 AM
L364	6	L360 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 11:52 AM
L365	2	L360 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 11:52 AM
L366	1	("20020156837").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 12:11 PM
L367	1	("6799195").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	OFF	OFF	2016/12/09 12:15 PM
L368	2	("20110051645").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 12:34 PM
L369	3	("5546301").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 12:55 PM
L370	127	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2016/12/09 12:55 PM
L371	21	L370 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 12:55 PM
L372	38793	(thread near4 (actuator sensor gui synchronize data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:00 PM
L373	6873	(thread near4 (actuator	US-PGPUB; USPAT;	OR	ON	ON	2016/12/09

		sensor gui synchronize data)).ab.	FPRS; EPO				01:00 PM
L374	6416	(thread near4 (actuator sensor gui synchronize data)).clm.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:00 PM
L375	38793	L372 L373 L374	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:00 PM
L376	11652	L373 L374	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:01 PM
L377	625	L375 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:01 PM
L378	157	L376 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:01 PM
L379	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:02 PM
L380	144	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:02 PM
L381	10	L380 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2016/12/09 01:02 PM
L382	10	("6249241"|"5819271"|"6810386"|"5805082"|"5875305"|"6208938").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 12:39 PM
L383	1	("6665568").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:01 PM
L384	10	("5973696" | "5982362" | "6138150" | "6170007" | "6201996" | "6311101").PN. OR ("6665568").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2017/03/23 02:15 PM
L385	6148	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L386	7044	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L387	26644	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L388	1160	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L389	554	340/853.3,853.2,856.3.ccl	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23

		s.					02:18 PM
L390	41251	L385 L386 L387 L388 L389	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L391	227637	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L392	3060500	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L393	62	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2017/03/23 02:18 PM
L394	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2017/03/23 02:18 PM
L395	9	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2017/03/23 02:18 PM
L396	8	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2017/03/23 02:18 PM
L397	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L398	0	L397 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L399	7	L397 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L400	6555	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM

L401	3329	L400 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L402	1245	L401 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L403	342	L402 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L404	6	L403 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L405	2046	L390 and L391	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L406	2883167	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L407	24993	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L408	976	L392 and L405	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L409	511	L408 and L406	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L410	514	L391 and L407	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L411	15	L409 and L410	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L412	22	L391 and L407 and L390	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L413	812457	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L414	14890	L413 and L391	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L415	190	L414 and L407	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L416	269	L393 L394 L395 L396 L398 L399 L404 L411 L412 L415	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L417	3859	G05D7/0676;G05B9/02;E	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23

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		21B47/00;G05B2219/23472.cpc.					02:18 PM
L418	22	L417 and L407 and L406	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L419	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L420	4	L419 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L421	47	(US-20120316658-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23

		US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					02:18 PM
L422	29	L421 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L423	12	L422 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L424	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM

		US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L425	20	L424 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L426	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or	US-PGPUB; USPAT	OR	ON	ON	2017/03/23 02:18 PM

		US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L427	24	L426 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L428	17	L426 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L429	13	L427 and L428	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L430	6148	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L431	7044	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23

							02:18 PM
L432	26644	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L433	1160	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L434	554	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L435	41251	L430 L431 L432 L433 L434	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM
L436	86021	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L437	125354	L436 L435	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L438	394	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L439	20	L437 and L438	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L440	19	L438 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L441	34	L439 L440	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L442	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/03/23 02:18 PM

		US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L443	2	L442 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L444	8	L442 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L445	6	L442 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L446	2	L442 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L447	129	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2017/03/23 02:18 PM

L448	21	L447 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L449	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L450	146	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L451	10	L450 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L452	405	L416 L449 L451 L448 L443 L444 L445 L446 L441 L440 L439 L429 L428 L427 L425 L420 L422 L423 L418	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/03/23 02:18 PM
L453	6153	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L454	7048	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L455	26662	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L456	1163	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L457	554	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L458	41281	L453 L454 L455 L456 L457	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L459	235216	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L460	3192542	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L461	65	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2017/09/26 08:06 AM
L462	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2017/09/26 08:06 AM
L463	11	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2017/09/26 08:06 AM
L464	8	real-time and onsite and	EPO; JPO; DERWENT	OR	ON	ON	2017/09/26

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		internet and communication					08:06 AM
L465	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L466	0	L465 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L467	7	L465 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L468	6830	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L469	3457	L468 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L470	1296	L469 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L471	352	L470 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L472	6	L471 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L473	2051	L458 and L459	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L474	3028538	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L475	26427	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM

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L476	977	L460 and L473	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L477	513	L476 and L474	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L478	540	L459 and L475	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L479	15	L477 and L478	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L480	22	L459 and L475 and L458	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L481	855191	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L482	15715	L481 and L459	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L483	201	L482 and L475	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L484	283	L461 L462 L463 L464 L466 L467 L472 L479 L480 L483	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L485	4113	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L486	22	L485 and L475 and L474	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L487	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM

		US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L488	4	L487 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L489	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM

		5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L490	29	L489 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L491	12	L490 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L492	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM

		8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L493	20	L492 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L494	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-	US-PGPUB; USPAT	OR	ON	ON	2017/09/26 08:06 AM

		6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L495	24	L494 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L496	17	L494 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L497	13	L495 and L496	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L498	6153	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L499	7048	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L500	26662	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L501	1163	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L502	554	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L503	41281	L498 L499 L500 L501 L502	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM
L504	92435	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L505	131779	L504 L503	US-PGPUB; USPAT;	OR	ON	ON	2017/09/26

			FPRS; EPO				08:06 AM
L506	401	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L507	21	L505 and L506	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L508	19	L506 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L509	35	L507 L508	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L510	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2017/09/26 08:06 AM

		7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L511	2	L510 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L512	8	L510 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L513	6	L510 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L514	2	L510 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L515	130	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2017/09/26 08:06 AM
L516	22	L515 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L517	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L518	152	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L519	10	L518 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L520	421	L484 L517 L519 L516 L511 L512 L513 L514 L509 L508 L507 L497 L496 L495 L493 L488 L490 L491 L486	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L521	421	L520	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2017/09/26 08:06 AM
L526	6162	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM

L527	7047	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L528	26678	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L529	1163	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L530	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L531	41304	L526 L527 L528 L529 L530	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L532	255944	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L533	3560512	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L534	80	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2019/02/25 11:11 AM
L535	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2019/02/25 11:11 AM
L536	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2019/02/25 11:11 AM
L537	8	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2019/02/25 11:11 AM
L538	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM

L539	0	L538 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L540	7	L538 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L541	7529	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L542	3807	L541 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L543	1433	L542 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L544	390	L543 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L545	6	L544 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L546	2051	L531 and L532	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L547	3428769	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L548	31081	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L549	979	L533 and L546	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L550	514	L549 and L547	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L551	709	L532 and L548	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L552	16	L550 and L551	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L553	23	L532 and L548 and L531	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L554	975821	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L555	18051	L554 and L532	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM

L556	286	L555 and L548	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L557	381	L534 L535 L536 L537 L539 L540 L545 L552 L553 L556	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L558	5106	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L559	34	L558 and L548 and L547	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L560	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM

		7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L561	4	L560 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L562	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L563	29	L562 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM

L564	12	L563 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L565	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L566	20	L565 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM

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L567	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.	US-PGPUB; USPAT	OR	ON	ON	2019/02/25 11:11 AM
L568	24	L567 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L569	17	L567 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L570	13	L568 and L569	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM

L571	6162	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L572	7047	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L573	26678	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L574	1163	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L575	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L576	41304	L571 L572 L573 L574 L575	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM
L577	113460	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L578	152783	L577 L576	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L579	428	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L580	22	L578 and L579	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L581	19	L579 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L582	36	L580 L581	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L583	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/02/25 11:11 AM

		US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L584	2	L583 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L585	8	L583 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L586	6	L583 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L587	2	L583 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM

L588	137	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2019/02/25 11:11 AM
L589	23	L588 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L590	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L591	163	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L592	10	L591 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L593	531	L557 L590 L592 L589 L584 L585 L586 L587 L582 L581 L580 L570 L569 L568 L566 L561 L563 L564 L559	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/02/25 11:11 AM
L594	531	L593	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	ON	2019/02/25 11:11 AM
L595	6159	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L596	7059	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L597	26673	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L598	1163	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L599	552	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L600	41307	L595 L596 L597 L598 L599	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L601	262037	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L602	3673947	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L603	87	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2019/07/15 08:47 AM

L604	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2019/07/15 08:47 AM
L605	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2019/07/15 08:47 AM
L606	8	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2019/07/15 08:47 AM
L607	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L608	0	L607 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L609	7	L607 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L610	7745	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L611	3922	L610 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L612	1472	L611 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L613	404	L612 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L614	6	L613 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L615	2062	L600 and L601	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L616	3552609	(internet network (web	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15

		adj2 server))					08:47 AM
L617	32585	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L618	990	L602 and L615	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L619	526	L618 and L616	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L620	799	L601 and L617	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L621	25	L619 and L620	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L622	32	L601 and L617 and L600	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L623	1012917	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L624	18822	L623 and L601	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L625	338	L624 and L617	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L626	440	L603 L604 L605 L606 L608 L609 L614 L621 L622 L625	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L627	5397	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L628	42	L627 and L617 and L616	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L629	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM

		US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L630	4	L629 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L631	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM

		US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L632	29	L631 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L633	12	L632 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L634	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM

		US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L635	20	L634 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L636	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or	US-PGPUB; USPAT	OR	ON	ON	2019/07/15 08:47 AM

		US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L637	24	L636 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L638	17	L636 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L639	13	L637 and L638	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L640	6159	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L641	7059	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L642	26673	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L643	1163	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L644	552	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L645	41307	L640 L641 L642 L643 L644	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L646	119993	(G05D7/0676 or H04L67/02 or G05B19/0428 or	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM

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		G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.					
L647	159311	L646 L645	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L648	440	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L649	26	L647 and L648	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L650	19	L648 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L651	40	L649 L650	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L652	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM

		5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L653	2	L652 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L654	8	L652 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L655	6	L652 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L656	2	L652 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L657	137	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2019/07/15 08:47 AM
L658	23	L657 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L659	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L660	164	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L661	10	L660 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM
L662	602	L626 L659 L661 L658 L653 L654 L655 L656 L651 L650 L649 L639 L638 L637 L635 L630	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2019/07/15 08:47 AM

		L632 L633 L628					
L663	602	L662	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	ON	2019/07/15 08:47 AM
L664	6159	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L665	7059	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L666	26673	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L667	1163	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L668	552	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L669	41307	L664 L665 L666 L667 L668	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L670	262037	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L671	3673947	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L672	87	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2019/07/15 08:47 AM
L673	5	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2019/07/15 08:47 AM
L674	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2019/07/15 08:47 AM
L675	8	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2019/07/15 08:47 AM
L676	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM

		or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L677	0	L676 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L678	7	L676 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L679	7745	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L680	3922	L679 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L681	1472	L680 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L682	404	L681 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L683	6	L682 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L684	2062	L669 and L670	US-PGPUB; USPAT; EPO	OR	ON	ON	2019/07/15 08:47 AM
L685	11	("20020161685"|"20020169645"|"20030004624"|"20030182463"|"20040088115"|"20040231851"|"20050108504"|"20060240818"|"20080208475"|"20100295673"|"20120316658").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L686	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L687	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L688	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L689	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM

L690	1	("20060149476").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L691	1	("20060271299").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L692	1	("20030065447").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L693	1	("4594665").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L694	1	("20050092523").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L695	1	("20060047527").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L696	4857	L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L697	17	(US-20090260829-$ or US-20020112860-$ or US-20040262008-$ or US-20070107903-$ or US-20040251030-$).did. or (US-7000693-$ or US-6420976-$ or US-7967066-$ or US-RE41173-$ or US-7148812-$ or US-6768700-$ or US-7845404-$ or US-6913083-$ or US-4636934-$ or US-5732776-$ or US-4052703-$ or US-7958938-$ or US-4755943-$).did.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L698	1	("7261162").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L699	162	("5331318" | "5597042" | "5662165" | "5706892" | "5706896" | "5721538" | "5730219" | "5732776" | "5803167" | "5868201" | "5934371" | "5941307" | "5959547" | "5975204" | "5992250" | "6006832" | "6012015" | "6046685" | "6068053" | "6075462" | "6125938" | "6160492" | "6161618" | "6176312" | "6179057" | "6192980" |	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM

		"6192988" | "6209640" | "6247536" | "6257332" | "6271766" | "6276454" | "6279660" | "6281489" | "6288975" | "6296066" | "6422315" | "6469636" | "6498988" | "6622799" | "6670880" | "6717501" | "6788980" | "6801135" | "6816082" | "6851444").PN. OR ("7261162").URPN.					
L700	1	("20040262008").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L701	1	("7148812").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L702	1	("7958938").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L703	1	("7967066").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L704	1	("7845404").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L705	1	("6913083").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L706	1	("20020112860").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L707	1	("5732776").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L708	1	("4052703").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L709	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L710	0	L25 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L711	7	L25 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L712	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L713	4138	L28 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L714	1461	L29 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L715	368	L30 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L716	0	L31 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L717	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L718	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L719	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L720	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L721	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L722	41358	L33 L34 L35 L36 L37	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L723	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L724	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L725	1990	L38 and L39	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L726	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L727	913	L41 and (internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L728	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L729	935	L40 and L41	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L730	494	L45 and L42	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L731	937	L39 and L44	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L732	26	L46 and L47	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L733	30	("2010/0147510").URPN.	USPAT	OR	ON	ON	2021/02/18 10:21 AM
L734	162	("5331318" | "5597042" | "5662165" | "5706892" | "5706896" | "5721538" | "5730219" | "5732776" | "5803167" | "5868201" | "5934371" | "5941307" | "5959547" | "5975204" | "5992250" | "6006832" | "6012015" | "6046685" | "6068053" | "6075462" | "6125938" | "6160492" | "6161618" | "6176312" | "6179057" | "6192980" | "6192988" | "6209640" | "6247536" | "6257332" | "6271766" | "6276454" | "6279660" | "6281489" | "6288975" | "6296066" | "6422315" | "6469636" | "6498988" | "6622799" | "6670880" | "6717501" | "6788980" | "6801135" | "6816082" | "6851444").PN. OR ("7261162").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L735	17	("5941305" | "5959547" | "5978749" | "6061603" | "6670880").PN. OR	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM

		("6801135").URPN.					
L736	34	L39 and L44 and L38	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L737	937	L39 and L44	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L738	724	L53 and (internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L739	576	(local autonomous independent) and L45	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L740	550	L55 not L54	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L741	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L742	20394	L57 and L39	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L743	435	L58 and L44	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L744	44	("20030004624"|"20040088115"|"20100147510"|"5732776"|"7931090"|"7967066"|"8312320"|"20130144531"|"8301386"|"20050108504"|"20100295673"|"20110231024"|"6061603"|"8386059"|"20100098507"|"20030182463"|"4052703"|"6192980"|"7958938"|"8373418"|"20130024026"|"20040231851"|"20060240818"|"7148812"|"7289994"|"20120316658"|"20040262008"|"7921916"|"8131510"|"8290737"|"20100326654"|"20020161685"|"20090149969"|"7845404"|"8179279"|"20020112860"|"20050096846"|"5149443"|"6801135"|"6913083"|"20130008645"|"20020169645"|"20080208475"|"7591308").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L745	37	(US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

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		US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020161685-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$).did. or (WO-2008124765-$).did.					
L746	0	L61 and oscillate	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L747	1	L61 and (stuck adj3 valve)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L748	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L749	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L750	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L751	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L752	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L753	41358	L64 L65 L66 L67 L68	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L754	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L755	394	L69 and L70 and "240"	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L756	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L757	935	L69 and L70 and L72	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L758	18	L73 and (inoperative in-operative stuck) adj3 (valve part)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L759	417	L70 and (stuck) adj3 (valve)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L760	417	L70 and ((stuck) adj3 (valve))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L761	452	L70 and ((frozen froze stuck) adj3 (valve))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L762	18	((move jerk oscillate move) near2 ((frozen froze stuck) adj3 (valve)))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L763	1	("4823749").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L764	1	("20010032518").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L765	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L766	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L767	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L768	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L769	20	(US-20040262008-$ or US-20120316658-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

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IPR2024-00737-U.S. Patent No. 11,175,680

		US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L770	0	L85 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L771	7	L85 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L772	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L773	4138	L88 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L774	1461	L89 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L775	368	L90 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L776	0	L91 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L777	1990	L69 and L70	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L778	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L779	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L780	935	L72 and L93	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L781	494	L96 and L94	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18

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							10:21 AM
L782	937	L70 and L95	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L783	26	L97 and L98	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L784	34	L70 and L95 and L69	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L785	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L786	20394	L101 and L70	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L787	435	L102 and L95	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L788	5138	L81 L82 L83 L84 L86 L87 L92 L99 L100 L103	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L789	75	("2004/0262008").URPN.	USPAT	OR	ON	ON	2021/02/18 10:21 AM
L790	16	("20040262008" | "20050035875" | "4701756" | "5959547" | "6229453" | "6816082").PN. OR ("7148812").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L791	1	("5959547").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L792	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L793	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L794	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L795	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L796	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L797	41358	L108 L109 L110 L111 L112	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L798	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L799	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L800	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L801	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L802	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L803	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L804	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L805	0	L120 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L806	7	L120 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L807	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L808	4138	L123 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L809	1461	L124 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L810	368	L125 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L811	0	L126 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L812	1990	L113 and L114	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L813	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L814	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L815	935	L115 and L128	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L816	494	L131 and L129	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L817	937	L114 and L130	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L818	26	L132 and L133	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L819	34	L114 and L130 and L113	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L820	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L821	20394	L136 and L114	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L822	435	L137 and L130	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L823	5138	L116 L117 L118 L119 L121 L122 L127 L134 L135 L138	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L824	5138	L139	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L825	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L826	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18

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IPR2024-00737-U.S. Patent No. 11,175,680

							10:21 AM
L827	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L828	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L829	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L830	41358	L144 L145 L146 L147 L148	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L831	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L832	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L833	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L834	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L835	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L836	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L837	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L838	0	L156 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L839	7	L156 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L840	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L841	4138	L159 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L842	1461	L160 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L843	368	L161 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L844	0	L162 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L845	1990	L149 and L150	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L846	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L847	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L848	935	L151 and L164	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L849	494	L167 and L165	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L850	937	L150 and L166	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L851	26	L168 and L169	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L852	34	L150 and L166 and L149	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L853	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L854	20394	L172 and L150	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L855	435	L173 and L166	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L856	5138	L152 L153 L154 L155 L157 L158 L163 L170 L171 L174	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L857	5138	L175	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L858	5138	L176	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L859	6439	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L860	1829	L178 and L150	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L861	1197	L179 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L862	46	L180 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L863	59	L178 and L166 and L165	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L864	5219	L182 L183 L177	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
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L866	1	("20090055029").PN.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L867	46	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

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		US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6801135-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L868	2	L187 and pid	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L869	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L870	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L871	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L872	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L873	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L874	41358	L189 L190 L191 L192 L193	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L875	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L876	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L877	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L878	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L879	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L880	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L881	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L882	0	L201 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L883	7	L201 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L884	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L885	4138	L204 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L886	1461	L205 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L887	368	L206 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L888	0	L207 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L889	1990	L194 and L195	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L890	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L891	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L892	935	L196 and L209	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L893	494	L212 and L210	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L894	937	L195 and L211	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L895	26	L213 and L214	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L896	34	L195 and L211 and L194	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L897	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L898	20394	L217 and L195	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L899	435	L218 and L211	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L900	5138	L197 L198 L199 L200 L202 L203 L208 L215 L216 L219	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L901	5138	L220	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L902	5138	L221	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L903	6439	G05D7/0676;G05B9/02;E	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18

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		21B47/00;G05B2219/23472.cpc.					10:21 AM
L904	1829	L223 and L195	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L905	1197	L224 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L906	46	L225 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L907	59	L223 and L211 and L210	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L908	5219	L226 L227 L222	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L909	5219	L228	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L910	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L911	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L912	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L913	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L914	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L915	41358	L230 L231 L232 L233 L234	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L916	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L917	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L918	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L919	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L920	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM

L921	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L922	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L923	0	L242 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L924	7	L242 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L925	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L926	4138	L245 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L927	1461	L246 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L928	368	L247 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L929	0	L248 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L930	1990	L235 and L236	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L931	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L932	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		adjust drive move close)					
L933	935	L237 and L250	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L934	494	L253 and L251	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L935	937	L236 and L252	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L936	26	L254 and L255	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L937	34	L236 and L252 and L235	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L938	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L939	20394	L258 and L236	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L940	435	L259 and L252	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L941	5138	L238 L239 L240 L241 L243 L244 L249 L256 L257 L260	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L942	5138	L261	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L943	5138	L262	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L944	6439	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L945	1829	L264 and L236	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L946	1197	L265 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L947	46	L266 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L948	59	L264 and L252 and L251	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L949	5219	L267 L268 L263	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18

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							10:21 AM
L950	5219	L269	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L951	5288	L270	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L952	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L953	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L954	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L955	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L956	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L957	41358	L276 L277 L278 L279 L280	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L958	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L959	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L960	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L961	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L962	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L963	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L964	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L965	0	L288 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L966	7	L288 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L967	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L968	4138	L291 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L969	1461	L292 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L970	368	L293 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L971	0	L294 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L972	1990	L281 and L282	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L973	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L974	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L975	935	L283 and L296	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L976	494	L299 and L297	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L977	937	L282 and L298	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L978	26	L300 and L301	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L979	34	L282 and L298 and L281	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L980	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L981	20394	L304 and L282	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L982	435	L305 and L298	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L983	5138	L284 L285 L286 L287 L289 L290 L295 L302 L303 L306	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L984	5138	L307	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L985	5138	L308	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L986	6439	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L987	1829	L310 and L282	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L988	1197	L311 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L989	46	L312 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L990	59	L310 and L298 and L297	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L991	5219	L313 L314 L309	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L992	5219	L315	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L993	5288	L316	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L994	5288	L317	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM

L995	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L996	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L997	3	L320 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L998	2	("20020018399").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L999	17	("5941305" | "5959547" | "5978749" | "6061603" | "6670880").PN. OR ("6801135").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1000	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		2008124765-$).did.					
L1001	29	L324 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1002	12	L325 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1003	2	("7096092").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	OFF	OFF	2021/02/18 10:21 AM
L1004	1	("6967589").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1005	163	("5438329" | "5717718" | "5963650" | "6062095" | "6169488" | "6305471" | "6356205" | "6369715" | "6574652" | "6693553" | "6795319").PN. OR ("6967589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1006	110	L329 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1007	80	L330 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1008	2	("20090055029").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1009	2	("20100033318").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1010	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1011	20	L334 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1012	13	L335 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1013	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or	US-PGPUB; USPAT	OR	ON	ON	2021/02/18 10:21 AM

		US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1014	24	L337 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1015	17	L337 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1016	13	L338 and L339	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1017	2546	(web html) near4 (control controlling) near4 (actuator controller valve)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1018	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1019	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1020	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1021	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1022	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L1023	41358	L342 L343 L344 L345 L346	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1024	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1025	199025	L348 L347	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1026	141	L341 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1027	185	L349 and L341	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1028	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1029	28	L349 and L352	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1030	18	L352 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1031	41	L353 L354	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1032	2	("20020018399").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1033	2	("5805926").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1034	2	("20030052180").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1035	1	("6967589").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1036	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1037	2	L360 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1038	2	L360 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1039	8	L360 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1040	6	L360 and (carrier)	US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

			FPRS; EPO				10:21 AM
L1041	2	L360 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1042	1	("20020156837").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1043	1	("6799195").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	OFF	OFF	2021/02/18 10:21 AM
L1044	2	("20110051645").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1045	3	("5546301").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1046	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1047	24	L370 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1048	54754	(thread near4 (actuator sensor gui synchronize data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1049	10589	(thread near4 (actuator sensor gui synchronize data)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1050	7966	(thread near4 (actuator sensor gui synchronize data)).clm.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1051	54754	L372 L373 L374	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1052	16487	L373 L374	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1053	609	L375 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1054	154	L376 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1055	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1056	159	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM

L1057	10	L380 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1058	12	("6249241"|"5819271"|"6810386"|"5805082"|"5875305"|"6208938").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1059	2	("6665568").PN.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1060	13	("5973696" | "5982362" | "6138150" | "6170007" | "6201996" | "6311101").PN. OR ("6665568").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1061	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1062	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1063	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1064	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1065	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1066	41358	L385 L386 L387 L388 L389	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1067	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1068	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1069	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1070	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1071	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1072	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM

L1073	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1074	0	L397 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1075	7	L397 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1076	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1077	4138	L400 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1078	1461	L401 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1079	368	L402 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1080	0	L403 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1081	1990	L390 and L391	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1082	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1083	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1084	935	L392 and L405	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L1085	494	L408 and L406	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1086	937	L391 and L407	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1087	26	L409 and L410	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1088	34	L391 and L407 and L390	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1089	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1090	20394	L413 and L391	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1091	435	L414 and L407	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1092	5138	L393 L394 L395 L396 L398 L399 L404 L411 L412 L415	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1093	6439	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1094	59	L417 and L407 and L406	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1095	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L1096	3	L419 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1097	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1098	29	L421 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1099	12	L422 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1100	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1101	20	L424 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1102	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-	US-PGPUB; USPAT	OR	ON	ON	2021/02/18 10:21 AM

		7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1103	24	L426 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1104	17	L426 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1105	13	L427 and L428	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1106	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1107	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1108	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1109	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1110	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1111	41358	L430 L431 L432 L433 L434	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1112	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1113	199025	L436 L435	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1114	413	((web html) near4 (control	US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

		controlling) near4 (actuator controller valve)).ab.	FPRS; EPO				10:21 AM
L1115	28	L437 and L438	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1116	18	L438 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1117	41	L439 L440	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1118	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1119	2	L442 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1120	8	L442 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1121	6	L442 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1122	2	L442 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1123	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1124	24	L447 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1125	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1126	159	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1127	10	L450 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1128	5371	L416 L449 L451 L448 L443 L444 L445 L446 L441 L440 L439 L429 L428 L427 L425 L420 L422 L423 L418	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1129	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1130	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1131	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L1132	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1133	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1134	41358	L453 L454 L455 L456 L457	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1135	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1136	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1137	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1138	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1139	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1140	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1141	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1142	0	L465 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1143	7	L465 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L1144	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1145	4138	L468 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1146	1461	L469 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1147	368	L470 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1148	0	L471 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1149	1990	L458 and L459	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1150	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1151	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1152	935	L460 and L473	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1153	494	L476 and L474	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1154	937	L459 and L475	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1155	26	L477 and L478	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1156	34	L459 and L475 and L458	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1157	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1158	20394	L481 and L459	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1159	435	L482 and L475	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1160	5138	L461 L462 L463 L464 L466 L467 L472 L479	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

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		L480 L483					
L1161	6439	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1162	59	L485 and L475 and L474	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1163	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1164	3	L487 and (network adj2	US-PGPUB; USPAT;	OR	ON	ON	2021/02/18

		(address addresses))	FPRS; EPO				10:21 AM
L1165	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1166	29	L489 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1167	12	L490 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1168	51	(US-20120316658-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18

		US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					10:21 AM
L1169	20	L492 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1170	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or	US-PGPUB; USPAT	OR	ON	ON	2021/02/18 10:21 AM

		US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1171	24	L494 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1172	17	L494 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1173	13	L495 and L496	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1174	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

L1175	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1176	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1177	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1178	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1179	41358	L498 L499 L500 L501 L502	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1180	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1181	199025	L504 L503	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1182	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1183	28	L505 and L506	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1184	18	L506 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1185	41	L507 L508	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1186	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1187	2	L510 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1188	8	L510 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1189	6	L510 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1190	2	L510 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1191	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM

L1192	24	L515 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1193	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1194	159	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1195	10	L518 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1196	5371	L484 L517 L519 L516 L511 L512 L513 L514 L509 L508 L507 L497 L496 L495 L493 L488 L490 L491 L486	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1197	5371	L520	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1198	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1199	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1200	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1201	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1202	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1203	41358	L526 L527 L528 L529 L530	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1204	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1205	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1206	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1207	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1208	13	(AMPLISINE adj2	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18

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		LABS).as.					10:21 AM
L1209	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1210	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1211	0	L538 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1212	7	L538 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1213	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1214	4138	L541 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1215	1461	L542 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1216	368	L543 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1217	0	L544 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1218	1990	L531 and L532	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1219	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1220	34443	(local autonomous independent) near2	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		(controller control device) near2 (operate operat$4 adjust drive move close)					
L1221	935	L533 and L546	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1222	494	L549 and L547	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1223	937	L532 and L548	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1224	26	L550 and L551	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1225	34	L532 and L548 and L531	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1226	1139280	(remote internet network) near2 (control monitor control$4 monitor$4 command)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1227	20394	L554 and L532	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1228	435	L555 and L548	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1229	5138	L534 L535 L536 L537 L539 L540 L545 L552 L553 L556	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1230	6439	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1231	59	L558 and L548 and L547	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1232	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L1233	3	L560 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1234	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1235	29	L562 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1236	12	L563 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1237	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1238	20	L565 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1239	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-	US-PGPUB; USPAT	OR	ON	ON	2021/02/18 10:21 AM

		8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.					
L1240	24	L567 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1241	17	L567 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1242	13	L568 and L569	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1243	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1244	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1245	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1246	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1247	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1248	41358	L571 L572 L573 L574 L575	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1249	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM

		G05B2219/31369 or G05B2219/23472).cpc.					
L1250	199025	L577 L576	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1251	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1252	28	L578 and L579	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1253	18	L579 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1254	41	L580 L581	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1255	54	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					
L1256	2	L583 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1257	8	L583 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1258	6	L583 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1259	2	L583 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1260	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1261	24	L588 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1262	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1263	159	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1264	10	L591 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1265	5371	L557 L590 L592 L589 L584 L585 L586 L587 L582 L581 L580 L570 L569 L568 L566 L561 L563 L564 L559	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1266	5430	L593	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM

L1267	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1268	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1269	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1270	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1271	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1272	41358	L595 L596 L597 L598 L599	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1273	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2 (well site disposal station)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1274	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1275	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1276	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1277	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1278	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1279	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.					
L1280	0	L607 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1281	7	L607 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1282	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1283	4138	L610 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1284	1461	L611 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1285	368	L612 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1286	0	L613 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1287	1990	L600 and L601	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1288	4091205	(internet network (web adj2 server))	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1289	34443	(local autonomous independent) near2 (controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1290	935	L602 and L615	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1291	494	L618 and L616	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1292	937	L601 and L617	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1293	26	L619 and L620	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1294	34	L601 and L617 and L600	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1295	1139280	(remote internet network) near2 (control monitor control$4 monitor$4	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		command)					
L1296	20394	L623 and L601	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1297	435	L624 and L617	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1298	5138	L603 L604 L605 L606 L608 L609 L614 L621 L622 L625	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1299	6439	G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472.cpc.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1300	59	L627 and L617 and L616	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1301	46	(US-20040262008-$ or US-20020161685-$ or US-20090055029-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$).did. or (US-7289994-$ or US-6801135-$ or US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$).did. or (WO-2008124765-$).did.					
L1302	3	L629 and (network adj2 (address addresses))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1303	47	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		5959547-$ or US-5941305-$).did. or (WO-2008124765-$).did.					
L1304	29	L631 and (cell cellular wireless)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1305	12	L632 and (web html)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1306	51	(US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

		7096092-$).did. or (US-6967589-$ or US-6356205-$).did. or (WO-2008124765-$).did.					
L1307	20	L634 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1308	48	(US-20120029661-$ or US-20080077512-$ or US-20100179669-$ or US-20040125141-$ or US-20040075689-$ or US-20040064205-$ or US-20120041570-$ or US-20050027377-$ or US-20050027376-$ or US-20110173556-$ or US-20080208380-$ or US-20070179641-$ or US-20050120288-$ or US-20040186927-$ or US-20030233438-$ or US-20030225650-$ or US-20030107591-$ or US-20090327942-$ or US-20080189638-$ or US-20080125877-$ or US-20080065706-$ or US-20080065705-$ or US-20080034047-$ or US-20070239291-$).did. or (US-6931288-$ or US-7515977-$ or US-8677262-$ or US-8533619-$ or US-8356257-$ or US-7680546-$ or US-7526794-$ or US-6889096-$ or US-8516383-$ or US-7971151-$ or US-7783370-$ or US-7729792-$ or US-7526347-$ or US-7152072-$ or US-7117052-$ or US-7043311-$ or US-6834370-$ or US-6735596-$ or US-6442512-$ or US-6434500-$ or US-5631825-$ or US-6445963-$ or US-6522934-$ or US-6247020-$).did.	US-PGPUB; USPAT	OR	ON	ON	2021/02/18 10:21 AM

L1309	24	L636 and (address addresses)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1310	17	L636 and (cell cellular)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1311	13	L637 and L638	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1312	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1313	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1314	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1315	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1316	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1317	41358	L640 L641 L642 L643 L644	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1318	159675	(G05D7/0676 or H04L67/02 or G05B19/0428 or G06F3/0484 or E21B47/00 or G05B9/02 or G05B2219/24015 or G05B2219/25204 or G05B2219/31369 or G05B2219/23472).cpc.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1319	199025	L646 L645	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1320	413	((web html) near4 (control controlling) near4 (actuator controller valve)).ab.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1321	28	L647 and L648	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1322	18	L648 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1323	41	L649 L650	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1324	54	(US-20120316658-$ or	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18

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		US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20040262008-$ or US-20020112860-$ or US-20090149969-$ or US-20100147510-$ or US-20050096846-$ or US-20110231024-$ or US-20020161685-$ or US-20120310582-$ or US-20010032518-$ or US-20140163749-$ or US-20090055029-$ or US-20020018399-$ or US-20100033318-$ or US-20080077512-$ or US-20030052180-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$ or US-5149443-$ or US-8386059-$ or US-8131510-$ or US-7289994-$ or US-8373418-$ or US-8312320-$ or US-8290737-$ or US-7931090-$ or US-7921916-$ or US-6061603-$ or US-6192980-$ or US-6435022-$ or US-4823749-$ or US-8208478-$ or US-7347271-$ or US-5959547-$ or US-5941305-$ or US-7096092-$).did. or (US-6967589-$ or US-6356205-$ or US-5805926-$).did. or (WO-2008124765-$).did.					10:21 AM
L1325	2	L652 and (leak adj4 sensor)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM

L1326	8	L652 and (private)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1327	6	L652 and (carrier)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1328	2	L652 and (validity)	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1329	141	("5247447" | "5272642" | "5353229").PN. OR ("5546301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1330	24	L657 and thread	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1331	0	(thread near4 (actuator and sensor and synchronize and data))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1332	159	(thread near4 (actuator and sensor))	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1333	10	L660 and 700/$.ccls.	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1334	5371	L626 L659 L661 L658 L653 L654 L655 L656 L651 L650 L649 L639 L638 L637 L635 L630 L632 L633 L628	US-PGPUB; USPAT; FPRS; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1335	5430	L662	US-PGPUB; USPAT; FPRS; EPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1336	6171	700/1,282,275,281,42.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1337	7062	702/6,13,183,188.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1338	26701	709/224.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1339	1170	166/336,363,250.1.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1340	553	340/853.3,853.2,856.3.ccls.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1341	41358	L664 L665 L666 L667 L668	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1342	272113	(oil hydrocarbon (hydro adj2 carbon) gas) near2	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

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		(well site disposal station)					
L1343	3967670	(controller control device) near2 (operate operat$4 adjust drive move close)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1344	70	((AARON) near2 (PHILLIPS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	ON	2021/02/18 10:21 AM
L1345	3	((AARON) near2 (PHILLIPS)).INV.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1346	13	(AMPLISINE adj2 LABS).as.	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1347	11	real-time and onsite and internet and communication	EPO; JPO; DERWENT	OR	ON	ON	2021/02/18 10:21 AM
L1348	20	(US-20040262008-$ or US-20120316658-$ or US-20080208475-$ or US-20060271299-$ or US-20060240818-$ or US-20050092523-$ or US-20040231851-$ or US-20040088115-$ or US-20030182463-$ or US-20020169645-$ or US-20020112860-$).did. or (US-7148812-$ or US-7958938-$ or US-7967066-$ or US-7845404-$ or US-6913083-$ or US-5732776-$ or US-4052703-$ or US-8179279-$).did. or (WO-2008124765-$).did.	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1349	0	L676 and (oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1350	7	L676 and (oil near2 water)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1351	8179	(oil near2 water near2 separation)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1352	4138	L679 and pump	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1353	1461	L680 and (oil near2 well)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1354	368	L681 and (oil near2 level)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18

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							10:21 AM
L1355	0	L682 and ("700"/$.ccls. "702"/$.ccls.)	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM
L1356	1990	L669 and L670	US-PGPUB; USPAT; EPO	OR	ON	ON	2021/02/18 10:21 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N141	0	(translating plurality commands translated commands encoded plurality protocols different from the first protocol each translated command being translated into a protocol among the plurality of protocols suitable for a fluid handling device to which the respective command is directed the at least some of the translated command being operative to cause a local controller of the given fluid-handling device to drive the given fluid-handling device to the plurality of different target states the local controller being responsive to the translated commands and feedback from the given fluid handling device indicative of whether the given fluid handling device is in a targeted state).clm.	US-PGPUB; USPAT	AND	ON	ON	2013/10/25 01:15 PM
N142	0	(translating plurality commands translated commands encoded plurality protocols different from the first protocol each translated command being translated into a protocol among the plurality of protocols	US-PGPUB; USPAT	AND	ON	ON	2013/10/25 01:16 PM

		suitable for a fluid handling device to which the respective command is directed the at least some of the translated command being operative to cause a local controller of the given fluid-handling device).clm.					
N143	0	(sending the translated commands to respective local controllers of the respective fluid handling devices to which the respective commands are directed).clm.	US-PGPUB; USPAT	AND	ON	ON	2013/10/25 01:16 PM
N272	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions comprises after receiving the instructions determining a plurality of different target states of the at least one of the fluid handling devices, the plurality of different states each corresponding to different times after determining the plurality of different target states translating each received instructions into one or more translated instructions encoded in the selected respective protocol or protocols the one or more translated instructions including the determined plurality of different target states).clm.	US-PGPUB; USPAT	AND	ON	ON	2015/09/21 08:51 AM
N273	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target	US-PGPUB; USPAT	AND	ON	ON	2015/09/21 08:51 AM

		state of at least one of the fluid handling devices based on at least some of the plurality of instructions comprises after receiving the instructions determining a plurality of different target states of the at least one of the fluid handling devices).clm.					
N274	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state).clm.	US-PGPUB; USPAT	AND	ON	ON	2015/09/21 08:51 AM
N275	0	(the plurality of different states each corresponding to different times after determining the plurality of different target states translating each received instructions into one or more translated instructions encoded in the selected respective protocol or protocols the one or more translated instructions including the determined plurality of different target states).clm.	US-PGPUB; USPAT	AND	ON	ON	2015/09/21 08:51 AM
N522	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a	US-PGPUB; USPAT	AND	ON	ON	2017/09/26 08:20 AM

		network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil or gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N523	0	(a computer-implemented web interface module modules configured to send instructions to	US-PGPUB; USPAT	AND	ON	ON	2017/09/26 08:20 AM

		present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas						

		facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N524	0	(actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to	US-PGPUB; USPAT	AND	ON	ON	2017/09/26 08:20 AM

		the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N525	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being	US-PGPUB; USPAT	AND	ON	ON	2017/09/26 08:20 AM

		authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first).clm.					
N685	129	(a computer-implemented user-interface module or modules configured to send respective instructions to present respective control interfaces on respective user computing devices logged in to respective ones of the accounts and to receive respective commands to control respective actuators from the respective user computing devices wherein the system is configured to receive with the user-interface module modules a user command to actuate an actuator entered via a presented control interface identify an address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of fluid-handling facilities, one or more users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of fluid-handling facilities the second account corresponds to a second group of fluid-handling facilities, the first group	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM

		being different from the second group one more users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of fluid-handling facilities the third account corresponds to the first group of fluid-handling facilities one more users of the third account being authorized to view reports of data from fluid handling devices at the first group of fluid-handling facilities the fourth account corresponds to the second group of fluid-handling facilities, one more users of the of the fourth account being authorized to view reports of data from fluid handling devices at the second group of fluid-handling facilities).clm.					
N686	0	(user command to actuate an actuator entered via a presented control interface identify an address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of fluid-handling facilities, one or more users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of fluid-handling facilities the second account	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM

		corresponds to a second group of fluid-handling facilities, the first group being different from the second group one more users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of fluid-handling facilities the third account corresponds to the first group of fluid-handling facilities one more users of the third account being authorized to view reports of data from fluid handling devices at the first group of fluid-handling facilities the fourth account corresponds to the second group of fluid-handling facilities, one more users of the of the fourth account being authorized to view reports of data from fluid handling devices at the second group of fluid-handling facilities).clm.					
N687	0	(translating plurality commands translated commands encoded plurality protocols different from the first protocol each translated command being translated into a protocol among the plurality of protocols suitable for a fluid handling device to which the respective command is directed the at least some of the translated command being operative to cause a local controller of the given fluid-handling device to drive the given fluid-handling device to the plurality of different target states the local controller being responsive to the translated commands and	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM

		feedback from the given fluid handling device indicative of whether the given fluid handling device is in a targeted state).clm.					
N688	0	(translating plurality commands translated commands encoded plurality protocols different from the first protocol each translated command being translated into a protocol among the plurality of protocols suitable for a fluid handling device to which the respective command is directed the at least some of the translated command being operative to cause a local controller of the given fluid-handling device).clm.	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM
N689	0	(sending the translated commands to respective local controllers of the respective fluid handling devices to which the respective commands are directed).clm.	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM
N690	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions comprises after receiving the instructions determining a plurality of different target states of the at least one of the fluid handling devices, the plurality of different states each corresponding to different times after determining the plurality of different target states translating each received instructions into one or	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM

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IPR2024-00737-U.S. Patent No. 11,175,680

		more translated instructions encoded in the selected respective protocol or protocols the one or more translated instructions including the determined plurality of different target states).clm.					
N691	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions comprises after receiving the instructions determining a plurality of different target states of the at least one of the fluid handling devices).clm.	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM
N692	0	(obtaining a target state of at least one of the fluid handling devices based on at least some of the plurality of instructions wherein obtaining a target state).clm.	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM
N693	0	(the plurality of different states each corresponding to different times after determining the plurality of different target states translating each received instructions into one or more translated instructions encoded in the selected respective protocol or protocols the one or more translated instructions including the determined plurality of different target states).clm.	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM
N694	0	(a computer-implemented web interface module modules configured to send instructions to	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM

		present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil or gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group						

		of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N695	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM

		being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N696	0	(actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM

		second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first group of oil gas facilities users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil gas facilities the fourth account corresponds to the second group of oil gas facilities users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil gas facilities).clm.					
N697	0	(a computer-implemented web interface module modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices wherein the system is configured to receive with the web-interface module or modules a user command to actuate an actuator entered via a presented control interface identify a network address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module modules to the facility to actuate the actuator wherein the plurality of accounts include a first account a second account a third account and a	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM

		fourth account the first account corresponds to a first group of oil gas facilities users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil gas facilities the second account corresponds to a second group of oil gas facilities the first group being different from the second group users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil gas facilities the third account corresponds to the first).clm.					
N698	0	N687 N688 N689 N690 N691 N692 N693 N694 N695 N696 N697	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:45 AM
N699	0	(a computer-implemented user-interface module modules configured to send respective instructions to present respective control interfaces on respective user computing devices logged in to respective ones of the accounts and to receive respective commands to control respective actuators from the respective user computing devices wherein the system is configured to receive with the user-interface module modules a user command to actuate an actuator entered via a presented control interface identify an address in the datastore corresponding to a facility at which the actuator is located and send instructions with the facility-interface module	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:46 AM

		modules to the facility to actuate the actuator the plurality of accounts include a first account a second account a third account and a fourth account the first account corresponds to a first group of fluid-handling facilities, one or more users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of fluid-handling facilities the second account corresponds to a second group of fluid-handling facilities, the first group being different from the second group one more users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of fluid-handling facilities the third account corresponds to the first group of fluid-handling facilities one more users of the third account being authorized to view reports of data from fluid handling devices at the first group of fluid-handling facilities the fourth account corresponds to the second group of fluid-handling facilities, one more users of the of the fourth account being authorized to view reports of data from fluid handling devices at the second group of fluid-handling facilities).clm.					
N700	0	N698 N699	US-PGPUB; USPAT	AND	ON	ON	2019/07/15 08:46 AM

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/656,319	Phillips, Aaron
	Examiner	Art Unit
	CHRISTOPHER E EVERETT	2116

CPC - Searched*		
Symbol	Date	Examiner
G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472	02/18/2021	CEE

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Search of G05D7/0676;G05B9/02;E21B47/00;G05B2219/23472 using text searches	02/18/2021	CEE
Search of 700/1,282,275,281,42 using text searches	02/18/2021	CEE
Review of file histories and search histories for parent application nos . 13/708557; 14/147190; 14/984422; 15/867077	02/18/2021	CEE
Search of DAV using inventor search	02/18/2021	CEE
Search of PE2E Search using inventor, applicant, and text searches	02/18/2021	CEE
Search of Google patent using text searches	02/18/2021	CEE
Search of Google scholar using text searches	02/18/2021	CEE

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

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	16/656,319	Phillips, Aaron
	Examiner	Art Unit
	CHRISTOPHER E EVERETT	2116

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/656,319	10/17/2019	Aaron Phillips	034392-0508266	2059

909 7590 02/23/2021

Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

EXAMINER
EVERETT, CHRISTOPHER E

ART UNIT	PAPER NUMBER
2116	

NOTIFICATION DATE	DELIVERY MODE
02/23/2021	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

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Office Action Summary	Application No. 16/656,319	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 --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 10/17/2019.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-20 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☑ The drawing(s) filed on 10/17/2019 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

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DETAILED ACTION

1. Claims 1-20 are pending.

Notice of Pre-AIA or AIA Status

2. The present application is being examined under the pre-AIA first to invent provisions.

3. 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 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.

Double Patenting

4. 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 USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The 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/process/file/efs/guidance/eTD-info-I.jsp.

Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-23 of U.S. Patent No. 9,898,014 and claims 1-34 of U.S. Patent No. 10,488,871. Although the claims at issue are not identical, they are not patentably distinct from each other as outlined below.

U.S. Patent Application No. 16/656,319	**U.S. Patent No. 9,898,014**	**U.S. Patent No. 10,488,871**
1. A hosted, networked, remote industrial monitoring and control system for geographically distributed fluid-handling facilities, the system comprising:	1. A hosted, web-based, remote industrial monitoring and control system for geographically distributed facilities in oil and gas fields, the system comprising:	1. A hosted, networked, remote industrial monitoring and control system for geographically distributed fluid-handling facilities, the system comprising:
a computer-implemented datastore storing:	a computer-implemented datastore storing:	a computer-implemented datastore storing:
a plurality of accounts, each account corresponding to an entity operating one or more geographically distributed fluid-handling facilities, the accounts associating different fluid-handling facilities with different entities;	a plurality of accounts, each account corresponding to an entity operating one or more geographically distributed oil or gas facilities, the accounts associating different oil or gas facilities with different entities; and	a plurality of accounts, each account corresponding to an entity operating one or more geographically distributed fluid-handling facilities, the accounts associating different fluid-handling facilities with different entities; and
and network addresses by which industrial monitoring or	network addresses by which industrial monitoring or	addresses by which industrial monitoring or

control equipment at the facilities is accessible via cellular network connections, the monitoring or control equipment including sensors or actuators;	control equipment at the facilities is accessible via cellular network connections, the monitoring or control equipment including sensors or actuators;	control equipment at the facilities is accessible via network connections, the monitoring or control equipment including sensors configured to measure fluid handled at respective fluid-handling facilities and actuators configured to manipulate fluid flow at respective fluid-handling facilities, at least some of the fluid-handling facilities including both a plurality of the sensors and a plurality of the actuators;
a computer-implemented facility-interface module or modules configured to obtain data from the sensors at the facilities and send commands to the actuators at the facilities via	a computer-implemented facility-interface module or modules configured to obtain data from the sensors at the facilities and send commands to the actuators at the facilities	a computer-implemented facility-interface module or modules configured to obtain data from the sensors at the facilities and send commands to the

the cellular network connections;	via the cellular network connections; and	actuators at the facilities via the network connections; and
and a computer-implemented web-interface module or modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices,	a computer-implemented web-interface module or modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices,	a computer-implemented user-interface module or modules configured to send respective instructions to present respective control interfaces on respective user-computing devices logged in to respective ones of the accounts and to receive respective commands to control respective actuators from the respective user computing devices,
wherein the system is configured to receive, with the web-interface module or modules, a user command to actuate an actuator entered via a presented control interface,	wherein the system is configured to receive, with the web-interface module or modules, a user command to actuate an actuator entered via a presented control interface,	wherein the system is configured to receive, with the user-interface module or modules, a user command to actuate an actuator entered via a

identify a network address in the datastore corresponding to a facility at which the actuator is located, and send instructions with the facility-interface module or modules to the facility to actuate the actuator.	identify a network address in the datastore corresponding to a facility at which the actuator is located, and send instructions with the facility-interface module or modules to the facility to actuate the actuator, and wherein:	presented control interface, identify an address in the datastore corresponding to a facility at which the actuator is located, and send instructions with the facility-interface module or modules to the facility to actuate the actuator, and wherein:
	the plurality of accounts include a first account, a second account, a third account, and a fourth account;	the plurality of accounts include a first account, a second account, a third account, and a fourth account;
	the first account corresponds to a first group of oil or gas facilities, users of the first account being authorized to send commands to remotely control fluid handling devices at the first group of oil or gas facilities;	the first account corresponds to a first group of fluid-handling facilities, one or more users of the first account being authorized to send commands to remotely control fluid handling

		devices at the first group of fluid-handling facilities;
	the second account corresponds to a second group of oil or gas facilities, the first group being different from the second group, users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of oil or gas facilities;	the second account corresponds to a second group of fluid-handling facilities, the first group being different from the second group, one or more users of the second account being authorized to send commands to remotely control fluid handling devices at the second group of fluid-handling facilities;
	the third account corresponds to the first group of oil or gas facilities, users of the third account being authorized to view reports of data from fluid handling devices at the first group of oil or gas facilities; and	the third account corresponds to the first group of fluid-handling facilities, one or more users of the third account being authorized to view reports of data from fluid handling devices at the first

		group of fluid-handling facilities; and
	the fourth account corresponds to the second group of oil or gas facilities, users of the fourth account being authorized to view reports of data from fluid handling devices at the second group of oil or gas facilities.	the fourth account corresponds to the second group of fluid-handling facilities, one or more users of the of the fourth account being authorized to view reports of data from fluid handling devices at the second group of fluid-handling facilities.
2. The system of claim 1, wherein the sensors include a tank level sensor of a tank at one of the facilities, and wherein the datastore includes a record associating the tank with the facility, data from the tank being unavailable to users without an account associated with the tank.	2. The system of claim 1, wherein the sensors include a tank level sensor of a tank at one of the facilities, and wherein the datastore includes a record associating the tank with the facility, data from the tank being unavailable to users without an account associated with the tank, and wherein the accounts:	3. The system of claim 1, wherein: the sensors include a tank level sensor of a tank at one of the facilities; the datastore includes a record associating the tank with the facility, data from the tank being unavailable to users without an account

	designate oil or gas facilities to which a given user is authorized to send the user command to actuate the actuator.	associated with the tank; and the accounts designate a plurality of fluid-handling facilities to which a given user is authorized to send user commands to actuate actuators, wherein at least some users of the third account are not authorized by the third account to issue commands to fluid handling devices at the first group of fluid-handling facilities.
3. The system of claim 1, wherein the sensors include a level sensor of an oil/water separation tank at one of the facilities configured to indicate a level at which oil meets water, and wherein the datastore includes a record	3. The system of claim 1, wherein the sensors include a level sensor of an oil/water separation tank at one of the facilities configured to indicate a level at which oil meets water, and wherein the datastore includes a record	2. The system of claim 1, wherein: at least some of the fluid-handling facilities are oil-or-gas related fluid-handling facilities and include petro-water

associating the tank with the facility.	associating the tank with the facility.	disposal facilities or re-injection facilities; and the sensors include a level sensor of an oil/water separation tank at one of the facilities configured to indicate a level at which oil meets water, and wherein the datastore includes a record associating the tank with the facility.
4. The system of claim 1, wherein the sensors include a leak detector at one of the facilities, and wherein the datastore includes a record associating the leak detector with the facility.	4. The system of claim 1, wherein the sensors include a leak detector at one of the facilities, and wherein the datastore includes a record associating the leak detector with the facility.	4. The system of claim 1, wherein the sensors include: a level sensor of a tank at a given one of the facilities and wherein the datastore includes a record associating the tank with the given facility; and a leak detector at the given facility, and wherein the datastore includes a record

		associating the leak detector with the given facility.
5. The system of claim 1, wherein: the web-interface module or modules comprises a web server; and the facility-interface module or modules comprises a site server distinct from the web server.	5. The system of claim 1, wherein: the web-interface module or modules comprises a web server; and the facility-interface module or modules comprises a site server distinct from the web server.	5. The system of claim 1, wherein: the user-interface module or modules comprises a web server; and the facility-interface module or modules comprises a site server distinct from the web server; the web server is configured to communicate with user devices via a first network port of a computing device executing the web server; the site server is configured to communicate with facilities via a second network port of the

		computing device, the second network port being different from the first network port; and the data store is configured to store subscription information associated with at least some of the accounts.
6. The system of claim 5, wherein: the web server communicates with user devices via a first network port of a computing device executing the web server; and the site server communicates with facilities via a second network port of the computing device, the second network port being different from the first network port.	6. The system of claim 5, wherein: the web server communicates with user devices via a first network port of a computing device executing the web server; and the site server communicates with facilities via a second network port of the computing device, the second network port being different from the first network port.	5. The system of claim 1, wherein: the user-interface module or modules comprises a web server; and the facility-interface module or modules comprises a site server distinct from the web server; the web server is configured to communicate with user devices via a first network port of a

		computing device executing the web server; the site server is configured to communicate with facilities via a second network port of the computing device, the second network port being different from the first network port; and the data store is configured to store subscription information associated with at least some of the accounts.
7. The system of claim 1, wherein: the data store stores subscription information associated with at least some of the accounts.	7. The system of claim 1, wherein: the data store stores subscription information associated with at least some of the accounts.	5. The system of claim 1, wherein: the user-interface module or modules comprises a web server; and the facility-interface module or modules comprises a site server

		distinct from the web server; the web server is configured to communicate with user devices via a first network port of a computing device executing the web server; the site server is configured to communicate with facilities via a second network port of the computing device, the second network port being different from the first network port; and the data store is configured to store subscription information associated with at least some of the accounts.
8. The system of claim 1, wherein the facility-interface	8. The system of claim 1, wherein the facility-interface	6. The system of claim 1, wherein:

module or modules comprise: means for interfacing with a plurality of site controllers associated with the facilities.	module or modules comprise: means for interfacing with a plurality of site controllers associated with the facilities.	the facility-interface module or modules comprise means for interfacing with a plurality of site controllers associated with the facilities; and the user-interface module or modules comprise means for sending instructions to present a control interface on the user devices.
9. The system of claim 1, wherein the web-interface module or modules comprise: means for sending instructions to present a control interface on the user devices.	9. The system of claim 1, wherein the web-interface module or modules comprise: means for sending instructions to present a control interface on the user devices.	6. The system of claim 1, wherein: the facility-interface module or modules comprise means for interfacing with a plurality of site controllers associated with the facilities; and

		the user-interface module or modules comprise means for sending instructions to present a control interface on the user devices.
10. The system of claim 1, wherein the datastore stores accounts for more than one hundred facilities, and the web-interface module or modules are configured interface with more than one hundred user devices.	10. The system of claim 1, wherein the datastore stores accounts for more than one hundred facilities, and the web-interface module or modules are configured interface with more than one hundred user devices.	7. The system of claim 1, wherein the datastore stores accounts for more than one thousand facilities, and the user-interface module or modules are configured interface with more than one thousand user devices.
11. The system of claim 1, wherein the facility-interface module or modules are configured to send pull requests to facilities to retrieve data buffered at the facilities.	11. The system of claim 1, wherein the facility-interface module or modules are configured to send pull requests to facilities to retrieve data buffered at the facilities.	8. The system of claim 1, wherein the facility-interface module or modules are configured to send pull requests to facilities to retrieve data buffered at the facilities.

12. The system of claim 1, comprising: a controller at one of the facilities communicatively coupled to an actuator or a sensor.	12. The system of claim 1, comprising: a controller at one of the facilities communicatively coupled to an actuator or a sensor.	11. The system of claim 1, comprising: a controller at one of the facilities communicatively coupled to an actuator or a sensor.
13. The system of claim 12, comprising at least four of the following as distinct threads from one another: a thread configured to sends and receive data requests; a thread configured to synchronize other threads with updated information; a thread configured to set a target state of actuators; a thread configured to obtain updated sensor readings; a thread configured to process user interactions; and a thread that eliminates other threads upon	13. The system of claim 12, wherein the system is configured to instantiate at least four of the following as distinct threads from one another: a thread configured to sends and receive data requests; a thread configured to synchronize other threads with updated information; a thread configured to set a target state of actuators; a thread configured to obtain updated sensor readings; a thread configured to process user interactions; and a thread that eliminates other threads	9. The system of claim 1, wherein the system is configured to instantiate at least three of the following as distinct threads from one another: a thread configured to sends and receive data requests; a thread configured to synchronize other threads with updated information; a thread configured to set a target state of actuators; a thread configured to obtain updated sensor readings;

detecting a problem with the eliminated threads.	upon detecting a problem with the eliminated threads.	a thread configured to process user interactions; and a thread that eliminates other threads upon detecting a problem with the eliminated threads.
14. The system of claim 12, comprising at least two of the following as distinct threads from one another: a thread configured to sends or receive data request; a thread configured to synchronize other threads with updated information; a thread configured to set a target state of actuators; a thread configured to obtain updated sensor readings; a thread configured to process user interactions; and a thread that eliminates other threads upon	14. The system of claim 12, wherein the system is configured to instantiate at least two of the following as distinct threads from one another: a thread configured to sends or receive data request; a thread configured to synchronize other threads with updated information; a thread configured to set a target state of actuators; a thread configured to obtain updated sensor readings; a thread configured to process user interactions; and a thread	10. The system of claim 1, wherein the system is configured to instantiate each and every of the following as distinct threads from one another: a thread configured to sends or receive data request; a thread configured to synchronize other threads with updated information; a thread configured to set a target state of actuators;

detecting a problem with the eliminated threads.	that eliminates other threads upon detecting a problem with the eliminated threads.	a thread configured to obtain updated sensor readings; a thread configured to process user interactions; and a thread that eliminates other threads upon detecting a problem with the eliminated threads.
15. The system of claim 12, wherein the controller is communicatively coupled to the actuator or sensor via a private local area network.	15. The system of claim 12, wherein the controller is communicatively coupled to the actuator or sensor via a private local area network.	12. The system of claim 11, wherein the controller is communicatively coupled to the actuator and the sensor via a private local area network, the system comprising a respective fluid-handling facility having the controller, the system further comprising the actuator, the sensor, and the private local area

		network, and wherein controller is communicatively coupled to the actuator or sensor via a frame-based carrier-sense multiple access protocol with collision detection.
16. The system of claim 12, wherein controller is communicatively coupled to the actuator or sensor via a frame-based carrier-sense multiple access protocol with collision detection.	16. The system of claim 12, wherein controller is communicatively coupled to the actuator or sensor via a frame-based carrier-sense multiple access protocol with collision detection.	12. The system of claim 11, wherein the controller is communicatively coupled to the actuator and the sensor via a private local area network, the system comprising a respective fluid-handling facility having the controller, the system further comprising the actuator, the sensor, and the private local area network, and wherein controller is

		communicatively coupled to the actuator or sensor via a frame-based carrier-sense multiple access protocol with collision detection.
17. The system of claim 12, wherein controller is configured to periodically push buffered data to the facility-interface module or modules.	17. The system of claim 12, wherein controller is configured to periodically push buffered data to the facility-interface module or modules.	13. The system of claim 11, wherein controller is configured to push buffered data to the facility-interface module or modules.
18. The system of claim 12, comprising: means for ensuring at least some data is not lost if network access ceases intermittently.	18. The system of claim 12, comprising: means for ensuring at least some data is not lost if network access ceases intermittently.	14. The system of claim 11, comprising: means for ensuring at least some data is not lost if network access ceases intermittently.
19. The system of claim 12, comprising: means for translating a command for an actuator from an input format to a format configured to	19. The system of claim 12, comprising: means for translating a command for an actuator from an input format to a format configured to	15. The system of claim 11, comprising: means for translating a command for an actuator from an input format to a

effectuate changes in the actuator.	effectuate changes in the actuator.	format configured to effectuate changes in the actuator.
20. The system of claim 19, comprising: means for executing control routines implicated by translated commands on an individual actuator or sensor.	20. The system of claim 19, comprising: means for executing control routines implicated by translated commands on an individual actuator or sensor.	16. The system of claim 11, comprising: means for executing control routines implicated by translated commands on an individual actuator or sensor.

Claim Interpretation

5. The following is a quotation of 35 U.S.C. 112(f):

> (f) Element in Claim for a Combination. – An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

The following is a quotation of pre-AIA 35 U.S.C. 112, sixth paragraph:

> An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

The claims in this application are given their broadest reasonable interpretation using the plain meaning of the claim language in light of the specification as it would be understood by

one of ordinary skill in the art. The broadest reasonable interpretation of a claim element (also commonly referred to as a claim limitation) is limited by the description in the specification when 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is invoked.

As explained in MPEP § 2181, subsection I, claim limitations that meet the following three-prong test will be interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph:

(A) the claim limitation uses the term "means" or "step" or a term used as a substitute for "means" that is a generic placeholder (also called a nonce term or a non-structural term having no specific structural meaning) for performing the claimed function;

(B) the term "means" or "step" or the generic placeholder is modified by functional language, typically, but not always linked by the transition word "for" (e.g., "means for") or another linking word or phrase, such as "configured to" or "so that"; and

(C) the term "means" or "step" or the generic placeholder is not modified by sufficient structure, material, or acts for performing the claimed function.

Use of the word "means" (or "step") in a claim with functional language creates a rebuttable presumption that the claim limitation is to be treated in accordance with 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph. The presumption that the claim limitation is interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is rebutted when the claim limitation recites sufficient structure, material, or acts to entirely perform the recited function.

Absence of the word "means" (or "step") in a claim creates a rebuttable presumption that the claim limitation is not to be treated in accordance with 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph. The presumption that the claim limitation is not interpreted under

35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, is rebutted when the claim limitation recites function without reciting sufficient structure, material or acts to entirely perform the recited function.

Claim limitations in this application that use the word "means" (or "step") are being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, except as otherwise indicated in an Office action. Conversely, claim limitations in this application that do not use the word "means" (or "step") are not being interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, except as otherwise indicated in an Office action.

Claim Rejections - 35 USC § 103

6. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries for establishing a background for determining obviousness under pre-AIA 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

7. Claims 1, 5, 7-10, 12, and 18-20 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication No. 2002/0161685 (Dwinnell) in view of U.S. Patent Publication No. 2002/0018399 (Schultz) and further in view of U.S. Patent Publication No. 2003/0052180 (Huhn).

Claim 1:

The cited prior art describes a hosted, web-based, remote industrial monitoring and control system for geographically distributed facilities in oil and gas fields, the system comprising: **(Dwinnell: "Embodiments of the present invention as disclosed collect live productivity data and streaming media information broadcast from remote sites of interest (such as oil and gas drilling locations, construction sites, etc.) in real-time into a collection and distribution network that delivers this data and information to investors and managers via the Internet via a dynamic web page interface." abstract)**

- a computer-implemented datastore storing: **(Dwinnell: see the database system 303 of the central system 102 as illustrated in figure 3 and as described in paragraph 0057)**
    - a plurality of accounts, each account corresponding to an entity operating one or more geographically distributed oil or gas facilities, the accounts associating different oil or gas facilities with different entities; and **(Dwinnell: see the accounts and the various ventures and wells as described in paragraphs**

0057, 0067, 0068 and as illustrated in figures 6A, 6B; "Retrieval by web site users (investors and managers) of information and data stored in the archive system 302 or the database system 303 is controlled by standard authentication and authorization protocols. Users sign up for access to certain restricted features of the dynamic web site and receive a username and password to access desired information. Once a user has received an account, he is able to login into various otherwise-restricted web pages and thus be presented with a dynamically generated web page representative of the level of access that the user's particular account possesses." Paragraph 0057)

- a computer-implemented facility-interface module or modules configured to **(Dwinnell: see the central collection and distribution system 102 as illustrated in figures 1, 3 and as described in paragraph 0031)**
    - obtain data from the sensors at the facilities and **(Dwinnell: "Each remote site system 101 gathers information and data from a particular remote site (i.e., an oil and gas drilling site or rig) and transmits the information and data to a central collection and distribution system 102 at least partially in the form of streaming media, and preferably digital streaming video." Paragraph 0031)**
- a computer-implemented web-interface module or modules configured to **(Dwinnell: see the web platform system 305 of the central system 102 as illustrated in figure 3 and as described in paragraphs 0051, 0054)**
    - send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to **(Dwinnell: see the**

interfaces in web browsers along with delivered data from the web-server to the web browser as illustrated in figures 4, 5, 6A, 6B and as described in paragraphs 0063, 0064, 0065, 0066)

Dwinnell does not explicitly describe sending commands as described below. However, Schultz teaches the sending commands as described below.

- send commands to the actuators at the facilities via the cellular network connections; and **(see the sending of commands to actuators in Schultz and the use of a cellular network in Dwinnell; Schultz: "In addition, a corresponding one of the actuators 88, 90, 92 may be controlled via the respective web page to operate the associated device 80 or 82. Thus, in the system 68, a person with a connection to the Internet 102 at a remote location may, for example, monitor a pressure drop across or a flow rate through the device 80 and, based on this information, operate the actuator 88 to adjust the pressure drop or flow rate, or to close the device, as desired." Paragraph 0048; Dwinnell: "The remote site system 101 further includes a remote site transmission device 203 for connecting to and sending streaming media information and other data to the central system 102. Preferably, the transmission device 203 should be capable of 64 Kb/s or greater telecommunication bandwidth and can comprise a cellular or land-line high speed modem, microwave, ADSL, ISDN line, LAN/WAN, etc., and most preferably comprises a portable VSAT satellite receiver/transmitter and antenna." Paragraph 0044))**

- receive commands to control actuators from the user computing devices, **(Schultz: "In addition, a corresponding one of the actuators 88, 90, 92 may be controlled via the respective web page to operate the associated device 80 or 82. Thus, in the system 68, a person with a connection to the Internet 102 at a remote location may, for example, monitor a pressure drop across or a flow rate through the device 80 and, based on this information, operate the actuator 88 to adjust the pressure drop or flow rate, or to close the device, as desired." Paragraph 0048)**

- wherein the system is configured to
  - receive, with the web-interface module or modules, a user command to actuate an actuator entered via a presented control interface, **(Schultz: "In addition, a corresponding one of the actuators 88, 90, 92 may be controlled via the respective web page to operate the associated device 80 or 82. Thus, in the system 68, a person with a connection to the Internet 102 at a remote location may, for example, monitor a pressure drop across or a flow rate through the device 80 and, based on this information, operate the actuator 88 to adjust the pressure drop or flow rate, or to close the device, as desired." Paragraph 0048)**
  - send instructions with the facility-interface module or modules to the facility to actuate the actuator. **(Schultz: "In addition, a corresponding one of the actuators 88, 90, 92 may be controlled via the respective web page to operate the associated device 80 or 82. Thus, in the system 68, a person with a connection to the Internet 102 at a remote location may, for example,**

monitor a pressure drop across or a flow rate through the device 80 and, based on this information, operate the actuator 88 to adjust the pressure drop or flow rate, or to close the device, as desired." Paragraph 0048)

One of ordinary skill in the art would have recognized that applying the known technique of Dwinnell, namely, a web based interface for oil and gas drilling location information, with the known techniques of Schultz, namely, a web server based interface for oil well information and control, would have yielded predictable results and resulted in an improved system. Accordingly, applying the teachings of Dwinnell to provide a web interface for remote viewing of information about oil wells with the teachings of Schultz to use a web interface to view information and control devices in oil wells would have been recognized by those of ordinary skill in the art as resulting in an improved monitoring and control system (i.e., remote monitoring and control of oil wells of Dwinnell based on the teachings of remote control of oil wells in Schultz).

Dwinnell and Schultz do not explicitly describe network addresses as described below. However, Huhn teaches the network addresses as described below.

- network addresses by which industrial monitoring or control equipment at the facilities is accessible via cellular network connections, the monitoring or control equipment including sensors or actuators; **(see the stored network addresses for actuators in Huhn and the cell network communication in Dwinnell; Huhn: see the store address to eeprom 330 as illustrated in figure 9; "In accordance with a preferred embodiment of the present invention, the address for an actuator is stored in the EEPROM 130. As mentioned, each of the actuators**

of the system are identical." Paragraph 0042; Dwinnell: "The remote site system 101 further includes a remote site transmission device 203 for connecting to and sending streaming media information and other data to the central system 102. Preferably, the transmission device 203 should be capable of 64 Kb/s or greater telecommunication bandwidth and can comprise a cellular or land-line high speed modem, microwave, ADSL, ISDN line, LAN/WAN, etc., and most preferably comprises a portable VSAT satellite receiver/transmitter and antenna." Paragraph 0044)

- identify a network address in the datastore corresponding to a facility at which the actuator is located, and **(Huhn: see the find address in look-up table 328 as illustrated in figure 9; "An address from the stored desired addresses is selected (328) from the look-up table of all addresses of the mounted actuator in response to the at least one operating parameter (316, 324, 326)." Abstract; "Each of the actuators 50-54 have an associated address. When the HVAC controller 30 wants to command one of the actuators to move that actuator's associated conduit door, it transmits a two part serial communication signal on the command line 64 connected to all actuators. The first part of the serial communication is an actuator address for that actuator to be commanded. The second part of the serial communication is the command to further open or further close the conduit door. All other actuators ignore the command when the address portion of the serial communication does not match its stored address." Paragraph 0041)**

One of ordinary skill in the art would have recognized that applying the known technique of Dwinnell, namely, a web based interface for oil and gas drilling location information, and the known techniques of Schultz, namely, a web server based interface for oil well information and control, with the teachings of Huhn, namely, using addresses to control actuators in a process control system, would have yielded predictable results and resulted in an improved system. Accordingly, applying the teachings of Dwinnell to provide a web interface for remote viewing of information about oil wells and the teachings of Schultz to use a web interface to view information and control devices in oil wells with the teachings of Huhn to control actuators using addresses would have been recognized by those of ordinary skill in the art as resulting in an improved monitoring and control system (i.e., remote monitoring and control of oil wells using actuator addressing of Dwinnell based on the teachings of remote control of oil wells in Schultz and the teachings of controlling actuators using addressing in Huhn).

Claim 5:

Dwinnell describes the system of claim 1, wherein:

- the web-interface module or modules comprises a web server; and **(Dwinnell: "The web platform system 305, comprising one or more web servers, communicates directly with each user's computer (running a web browser application) via the Internet and retrieves and serves, in a suitable hardware independent page description language (such as HTML, XML, and java), requested data from the database system 303, live streaming broadcasts and associated data from the broadcast system 304, and archived streams and associated data from the archive system 302." Paragraph**

0054; see the web platform system 305 of the central system 102 as illustrated in figure 3 and as described in paragraphs 0051, 0054)

- the facility-interface module or modules comprises a site server distinct from the web server. **(Dwinnell: "Incoming streamed media is received by the central system transmission device 103 and sent directly to the collection system 301 where it is identified." Paragraph 0052; "Each of the systems 301-305 that comprise the central system 102 are composed of suitable servers, storage devices (including databases), memory devices and support hardware as is known in the art of computer networks to achieve the functions of each system 301-305." Paragraph 0051)**

Claim 7:

Dwinnell describes the system of claim 1, wherein: the data store stores subscription information associated with at least some of the accounts. **(Dwinnell: see the accounts and the various ventures and wells as described in paragraphs 0057, 0067, 0068 and as illustrated in figures 6A, 6B; "Retrieval by web site users (investors and managers) of information and data stored in the archive system 302 or the database system 303 is controlled by standard authentication and authorization protocols. Users sign up for access to certain restricted features of the dynamic web site and receive a username and password to access desired information. Once a user has received an account, he is able to login into various otherwise-restricted web pages and thus be presented with a dynamically generated web page representative of the level of access that the user's particular account possesses." Paragraph 0057)**

Claim 8:

Dwinnell describes the system of claim 1, wherein the facility-interface module or modules comprise: means for interfacing with a plurality of site controllers associated with the facilities. **(Dwinnell: see the central system transmission device 103 interfacing with the remote site systems 101 as illustrated in figure 1 and as described in paragraph 0034; "First, a continuous stream is sent from each remote site system 101 to the central collection and distribution system 102 via the central system transmission device 103 (such as a high speed modem, LAN, WAN or VSAT satellite transmitter/receiver)." Paragraph 0034)**

Claim 9:

Dwinnell describes the system of claim 1, wherein the web-interface module or modules comprise: means for sending instructions to present a control interface on the user devices. **(Dwinnell: see the interfaces in web browsers along with delivered data from the web-server to the web browser as illustrated in figures 4, 5, 6A, 6B and as described in paragraphs 0063, 0064, 0065, 0066)**

Claim 10:

Dwinnell describes the system of claim 1,

- wherein the datastore stores accounts for more than one hundred facilities, and **(Dwinnell: "As is apparent from FIG. 1, the network 100 can be expanded or contracted to include any number of remote site systems 101 or investors/managers 105 as is necessitated." Paragraph 0031)**

- the web-interface module or modules are configured interface with more than one hundred user devices. **(Dwinnell: "As is apparent from FIG. 1, the network 100 can be expanded or contracted to include any number of remote site systems 101 or investors/managers 105 as is necessitated." Paragraph 0031)**

Claim 12:

Dwinnell describes the system of claim 1, comprising: a controller at one of the facilities communicatively coupled to an actuator or a sensor. **(Dwinnell: "The remote site system 101 comprises a remote site video and data capture server 202 (hereinafter referred to as a remote site capture server 202 or "RSCS 202") in electronic communication with a plurality of cameras 205 positioned strategically about the remote site." Paragraph 0039)**

Claim 18:

Dwinnell describes the system of claim 12, comprising: means for ensuring at least some data is not lost if network access ceases intermittently. **(Dwinnell: "Preferably, the remote site system 101 also includes a storage medium (not explicitly shown in FIG. 2) for archiving a local copy of said collected data and streams such that such information and data will not be permanently lost in the case oc communication problems with the central system 100." Paragraph 0044)**

Claim 19:

Dwinnell does not explicitly describe translating a command as described below. However, Schultz teaches the translating a command as described below.

Dwinnell and Schultz describe the system of claim 12, comprising: means for translating a command for an actuator from an input format to a format configured to effectuate changes in the actuator. **(Schultz: see the converter 26 converting optical signals into electrical signals for control of an actuator as illustrated in figures 1, 2 and as described in paragraphs 0032, 0042; "Accordingly, the well tool 10 includes a converter 26 for converting electrical signals generated by the webserver 22 into optical signals for transmission via the fiber optic line(s) of the cable 24." Paragraph 0032; "In a described embodiment, a well tool includes a webserver connected to a sensor and an actuator of the tool." Abstract; "The actuators 88, 90, 92 maybe electrically, hydraulically or otherwise operated." Paragraph 0042)**

Dwinnell and Schultz are combinable for the same rationale as set forth above with respect to claim 1.

Claim 20:

Dwinnell does not explicitly describe executing control routines as described below. However, Schultz teaches the executing control routines as described below.

Dwinnell and Schultz describe the system of claim 19, comprising: means for executing control routines implicated by translated commands on an individual actuator or sensor. **(Schultz: see the converter 26 converting optical signals into electrical signals for control of an actuator as illustrated in figures 1, 2 and as described in paragraphs 0032, 0042; "Accordingly, the well tool 10 includes a converter 26 for converting electrical signals generated by the webserver 22 into optical signals for transmission via the fiber optic line(s) of the cable 24." Paragraph 0032; "In a described embodiment, a well tool includes a webserver connected to a sensor and an actuator of the tool." Abstract; "The actuators 88,**

90, 92 maybe electrically, hydraulically or otherwise operated." Paragraph 0042; "In addition, a corresponding one of the actuators 88, 90, 92 may be controlled via the respective web page to operate the associated device 80 or 82. Thus, in the system 68, a person with a connection to the Internet 102 at a remote location may, for example, monitor a pressure drop across or a flow rate through the device 80 and, based on this information, operate the actuator 88 to adjust the pressure drop or flow rate, or to close the device, as desired." Paragraph 0048)

Dwinnell and Schultz are combinable for the same rationale as set forth above with respect to claim 1.

8. Claims 2, 11, and 17 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication No. 2002/0161685 (Dwinnell) in view of U.S. Patent Publication No. 2002/0018399 (Schultz) and further in view of U.S. Patent Publication No. 2003/0052180 (Huhn) and U.S. Patent No. 6,967,589 (Peters).

Claim 2:

Dwinnell, Schultz, and Huhn do not explicitly describe tank sensors as described below. However, Peters teaches the tank sensors as described below.

Dwinnell, Schultz, Huhn, and Peters describe the system of claim 1,

- wherein the sensors include a tank level sensor of a tank at one of the facilities, and **(Peters: "Monitoring unit 120, connected to oil tank 95, measures the pressure at the bottom of the tank. With that information, as well as the diameter of the oil tank 95 and the specific gravity of the oil in the oil tank 95, the amount of oil in oil tank 95 can be determined by a formula as is known to those of skill in the art. Likewise, monitoring unit 130, connected to water tank 98, measures the pressure at the bottom of water tank 98. With that information, as well as the diameter of the water tank 98 and the specific gravity of water, the amount of water in water tank 98 can be determined by a formula as is known to those of skill in the art. In each case, additional sensors can be used, e.g., trip level sensors in the tanks. Other methods of measuring can be used, such as, infrared, microwave and float sensors." Col. 5, line 61 through col. 6, line 7)**
- wherein the datastore includes a record associating the tank with the facility, **(see the tanks in Peters and the association of ventures to wells in Dwinnell; Peters: see the tanks 95, 98 as illustrated in figure 1; Dwinnell: see the ventures (i.e., facility) and the associated wells (i.e., equipment) as illustrated in figure 6A and as described in paragraph 0067)**
- data from the tank being unavailable to users without an account associated with the tank. **(see the tanks in Peters and the availability and unavailability of data for accounts in Dwinnell; Peters: see the tanks 95, 98 as illustrated in figure 1; Dwinnell: see the accounts and the various ventures and wells as described in paragraphs 0057, 0067, 0068 and as illustrated in figures 6A, 6B; "Retrieval by web site users (investors and managers) of information and data stored in the archive system 302 or the database**

system 303 is controlled by standard authentication and authorization protocols. Users sign up for access to certain restricted features of the dynamic web site and receive a username and password to access desired information. Once a user has received an account, he is able to login into various otherwise-restricted web pages and thus be presented with a dynamically generated web page representative of the level of access that the user's particular account possesses." Paragraph 0057)

One of ordinary skill in the art would have recognized that applying the known technique of Dwinnell, namely, a web based interface for oil and gas drilling location information, the known techniques of Schultz, namely, a web server based interface for oil well information and control, and the teachings of Huhn, namely, using addresses to control actuators in a process control system, with the teachings of Peters, namely, monitoring a gas/oil well, would have yielded predictable results and resulted in an improved system. Accordingly, applying the teachings of Dwinnell to provide a web interface for remote viewing of information about oil wells, the teachings of Schultz to use a web interface to view information and control devices in oil wells, and the teachings of Huhn to control actuators using addresses with the teachings of Peters to use tank sensors to monitor a gas/oil well would have been recognized by those of ordinary skill in the art as resulting in an improved monitoring and control system (i.e., remote monitoring using sensors and control of oil wells using actuator addressing of Dwinnell based on the teachings of remote control of oil wells in Schultz, the teachings of controlling actuators using addressing in Huhn, and the teachings of monitoring an oil/gas well with tank sensors in Peters).

Claim 11:

Dwinnell, Schultz, and Huhn do not explicitly describe pull requests as described below. However, Peters teaches the pull requests as described below.

Dwinnell, Schultz, Huhn, and Peters describe the system of claim 1, wherein the facility-interface module or modules are configured to send pull requests to facilities to retrieve data buffered at the facilities. **(Peters: "Relay unit 140 can query each, some or all of the monitoring units 100, 110, 120 and 130 or receive data and requests from each, some or all of them." Col. 6, lines 32-35)**

Dwinnell, Schultz, Huhn, and Peters are combinable for the same rationale as set forth above with respect to claim 2.

Claim 17:

Dwinnell, Schultz, and Huhn do not explicitly describe pushes as described below. However, Peters teaches the pushes as described below.

Dwinnell, Schultz, Huhn, and Peters describe the system of claim 12, wherein controller is configured to periodically push buffered data to the facility-interface module or modules. **(Peters: "Relay units may be configured to do any of these "wake ups" and to alter their alarm time intervals. This allows given periods for daily data dumps from monitoring units to the host interface 200 via the relay unit 240 and/or host interface 200 queries to monitoring units via the relay unit 240, both at any time interval. Preferably, the default setting for the relay unit 240 is to commence data dumps to the host interface at twelve (12) AM (midnight) each day and to wake up and await for host interface queries every 30 minutes for 2 minutes." Col. 10, lines 30-39)**

Dwinnell, Schultz, Huhn, and Peters are combinable for the same rationale as set forth above with respect to claim 2.

9. Claim 3 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication No. 2002/0161685 (Dwinnell) in view of U.S. Patent Publication No. 2002/0018399 (Schultz) and further in view of U.S. Patent Publication No. 2003/0052180 (Huhn) and U.S. Patent No. 5,149,443 (Varnam).

Claim 3:

Dwinnell, Schultz, and Huhn do not explicitly describe oil/water sensors as described below. However, Varnam teaches the oil/water sensors as described below.

Dwinnell, Schultz, Huhn, and Peters describe the system of claim 1,

- wherein the sensors include a level sensor of an oil/water separation tank at one of the facilities configured to indicate a level at which oil meets water, and **(Varnam: "Also mounted on the floating arms 50 and 52 is at least one acoustical type oil layer thickness sensor 158. Sensor 158 acts to sense and determine the thickness of the oil layer lying within the defined oil collection area 54." Col. 6, lines 4-8)**
- wherein the datastore includes a record associating the tank with the facility. **(see the tanks in Varnam and the association of ventures to wells in Dwinnell; Varnam: see the tanks 200 as illustrated in figure 1; Dwinnell: see the ventures (i.e., facility) and**

the associated wells (i.e., equipment) as illustrated in figure 6A and as described in paragraph 0067)

One of ordinary skill in the art would have recognized that applying the known technique of Dwinnell, namely, a web based interface for oil and gas drilling location information, the known techniques of Schultz, namely, a web server based interface for oil well information and control, and the teachings of Huhn, namely, using addresses to control actuators in a process control system, with the teachings of Varnam, namely, an oil recovery system with an oil/water sensor, would have yielded predictable results and resulted in an improved system. Accordingly, applying the teachings of Dwinnell to provide a web interface for remote viewing of information about oil wells, the teachings of Schultz to use a web interface to view information and control devices in oil wells, and the teachings of Huhn to control actuators using addresses with the teachings of Varnam to use an oil/water sensor would have been recognized by those of ordinary skill in the art as resulting in an improved monitoring and control system (i.e., remote monitoring using various sensors and control of oil wells using actuator addressing of Dwinnell based on the teachings of remote control of oil wells in Schultz, the teachings of controlling actuators using addressing in Huhn, and the teachings of using an oil/water sensor in Varnam).

10. Claim 4 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication No. 2002/0161685 (Dwinnell) in view of U.S. Patent Publication No. 2002/0018399 (Schultz) and further in view of U.S. Patent Publication No. 2003/0052180 (Huhn) and U.S. Patent No. 7,967,066 (McStay).

Claim 4:

Dwinnell, Schultz, and Huhn do not explicitly describe a leak detector as described below. However, McStay teaches the leak detector as described below.

Dwinnell, Schultz, Huhn, and McStay describe the system of claim 1,

- wherein the sensors include a leak detector at one of the facilities, and **(McStay: see the leak detection sensors 320 as illustrated in figure 3)**
- wherein the datastore includes a record associating the leak detector with the facility. **(see the leak detector in McStay and the association of ventures to wells in Dwinnell; McStay: see the leak detection sensors 320 as illustrated in figure 3; Dwinnell: see the ventures (i.e., facility) and the associated wells (i.e., equipment) as illustrated in figure 6A and as described in paragraph 0067)**

One of ordinary skill in the art would have recognized that applying the known technique of Dwinnell, namely, a web based interface for oil and gas drilling location information, the known techniques of Schultz, namely, a web server based interface for oil well information and control, and the teachings of Huhn, namely, using addresses to control actuators in a process control system, with the teachings of McStay, namely, leak detection in an oil well, would have yielded predictable results and resulted in an improved system. Accordingly, applying the teachings of Dwinnell to provide a web interface for remote viewing of information about oil wells, the teachings of Schultz to use a web interface to view information and control devices in oil wells, and the teachings of Huhn to control actuators using addresses with the teachings of McStay to use a leak detection sensor in an oil well would have been recognized by those of ordinary skill

in the art as resulting in an improved monitoring and control system (i.e., remote monitoring using various sensors and control of oil wells using actuator addressing of Dwinnell based on the teachings of remote control of oil wells in Schultz, the teachings of controlling actuators using addressing in Huhn, and the teachings of using a leak detector in an oil well in McStay).

11. Claims 6 and 15 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication No. 2002/0161685 (Dwinnell) in view of U.S. Patent Publication No. 2002/0018399 (Schultz) and further in view of U.S. Patent Publication No. 2003/0052180 (Huhn) and U.S. Patent Publication No. 2002/0156837 (Batke).

Claim 6:

Dwinnell, Schultz, and Huhn do not explicitly describe two ports as described below. However, Batke teaches the two ports as described below.

Dwinnell, Schultz, Huhn, and Batke describe the system of claim 5, wherein:

- the web server communicates with user devices via a first network port of a computing device executing the web server; and **(Batke: see the web server communication by the web access interface 30 via the internet interface 32 (i.e., first network port) as illustrated in figure 1 and as described in paragraph 0020; "Referring to FIG. 1, a**

new industrial control system 100 used to control an industrial process includes a web access interface 30 that is coupled to one or more control devices, which are shown as control devices 110, 120, 130 and 140. The web access interface 30 is capable of communications with one or more remote computer terminals or other remote devices 10 by way of the Internet or World Wide Web (or simply the "web") by way of an Internet interface 32. The web access interface 30 is also coupled to the control devices 110-140 by way of a control network interface 62 having one or more ports, which in this exemplary embodiment are shown to include a first port 60 and a second port 70. Communication links 80 in turn couple the network interface 62 with the control devices 110-140." Paragraph 0020)

- the site server communicates with facilities via a second network port of the computing device, the second network port being different from the first network port. **(Batke: see the control device 110-140 communication by the web access interface 30 via the control network interface 62 (i.e., second network port) as illustrated in figure 1 and as described in paragraph 0020; "Referring to FIG. 1, a new industrial control system 100 used to control an industrial process includes a web access interface 30 that is coupled to one or more control devices, which are shown as control devices 110, 120, 130 and 140. The web access interface 30 is capable of communications with one or more remote computer terminals or other remote devices 10 by way of the Internet or World Wide Web (or simply the "web") by way of an Internet interface 32. The web access interface 30 is also coupled to the control devices 110-140 by way of a control network interface 62 having one or more ports, which in this exemplary embodiment are shown to include a first port 60 and a second port 70.**

Communication links 80 in turn couple the network interface 62 with the control devices 110-140." Paragraph 0020)

One of ordinary skill in the art would have recognized that applying the known technique of Dwinnell, namely, a web based interface for oil and gas drilling location information, the known techniques of Schultz, namely, a web server based interface for oil well information and control, and the teachings of Huhn, namely, using addresses to control actuators in a process control system, with the teachings of Batke, namely, a process control system with a web server, would have yielded predictable results and resulted in an improved system. Accordingly, applying the teachings of Dwinnell to provide a web interface for remote viewing of information about oil wells, the teachings of Schultz to use a web interface to view information and control devices in oil wells, and the teachings of Huhn to control actuators using addresses with the teachings of Batke to have various network configurations for the control device in the control system would have been recognized by those of ordinary skill in the art as resulting in an improved monitoring and control system (i.e., remote monitoring and control of oil wells using actuator addressing and various ports for communication of Dwinnell based on the teachings of remote control of oil wells in Schultz, the teachings of controlling actuators using addressing in Huhn, and the teachings of multiple ports for communication within the process control system in Batke).

Claim 15:

Dwinnell, Schultz, and Huhn do not explicitly describe a private network as described below. However, Batke teaches the private network as described below.

Dwinnell, Schultz, Huhn, and Batke describe the system of claim 12, wherein the controller is communicatively coupled to the actuator or sensor via a private local area network.

(Batke: see the communication links 80 between the web access interface 30 and the control devices 110-140 as illustrated in figure 1 and as described in paragraphs 0020, 0029, 0031; "The communication links 80 can be wire cable, fiber optic or wireless, and are typically a proprietary or specialized network suitable for industrial control." Paragraph 0020)

Dwinnell, Schultz, Huhn, and Batke are combinable for the same rationale as set forth above with respect to claim 6.

12. Claims 13-14 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication No. 2002/0161685 (Dwinnell) in view of U.S. Patent Publication No. 2002/0018399 (Schultz) and further in view of U.S. Patent Publication No. 2003/0052180 (Huhn) and U.S. Patent Publication No. 2005/0084988 (Huang).

Claim 13:

Dwinnell, Schultz, and Huhn do not explicitly describe threads as described below. However, Huang teaches the threads as described below.

Dwinnell, Schultz, Huhn, and Huang describe the system of claim 12, comprising at least four of the following as distinct threads from one another:

- a thread configured to sends and receive data requests; **(Huang: see the trace data collection tread receiving start/stop triggered by events from the machine control**

thread and sending trace data to the trace data store as illustrated in figure 5; "For the status data path 506, an independently executing thread obtains all sensor and/or actuator data from the various I/O module controllers to be passed along to user interface module 508 for display." Paragraph 0075)

- a thread configured to synchronize other threads with updated information; **(Huang: see the trace data report thread updating the status data collection thread with data from the trace data store and the event driven data as illustrated in figure 5 and as described in paragraph 0076)**
- a thread configured to set a target state of actuators; **(Huang: see the machine control thread as illustrated in figure 5; "In one embodiment, the execution thread for collecting the trace data may have a higher priority even than the control thread that controls the actuators (which is also shown in FIG. 5)." Paragraph 0076)**
- a thread configured to obtain updated sensor readings; **(Huang: see the status data collection thread as illustrated in figure 5; "For the status data path 506, an independently executing thread obtains all sensor and/or actuator data from the various I/O module controllers to be passed along to user interface module 508 for display." Paragraph 0075)**
- a thread configured to process user interactions; and
- a thread that eliminates other threads upon detecting a problem with the eliminated threads.

One of ordinary skill in the art would have recognized that applying the known technique of Dwinnell, namely, a web based interface for oil and gas drilling location information, the known techniques of Schultz, namely, a web server based interface for oil well information and control,

and the teachings of Huhn, namely, using addresses to control actuators in a process control system, with the teachings of Huang, namely, using various threads in a process control system, would have yielded predictable results and resulted in an improved system. Accordingly, applying the teachings of Dwinnell to provide a web interface for remote viewing of information about oil wells, the teachings of Schultz to use a web interface to view information and control devices in oil wells, and the teachings of Huhn to control actuators using addresses with the teachings of Huang to use various threads in a process control system would have been recognized by those of ordinary skill in the art as resulting in an improved monitoring and control system (i.e., remote monitoring and control of oil wells using actuator addressing and various threads for control of Dwinnell based on the teachings of remote control of oil wells in Schultz, the teachings of controlling actuators using addressing in Huhn, and the teachings of using various threads for control in a process control system in Huang).

Claim 14:

Dwinnell, Schultz, and Huhn do not explicitly describe threads as described below. However, Huang teaches the threads as described below.

Dwinnell, Schultz, Huhn, and Huang describe the system of claim 12, comprising at least two of the following as distinct threads from one another:

- a thread configured to sends or receive data request; **(Huang: see the trace data collection tread receiving start/stop triggered by events from the machine control thread and sending trace data to the trace data store as illustrated in figure 5; "For the status data path 506, an independently executing thread obtains all sensor**

and/or actuator data from the various I/O module controllers to be passed along to user interface module 508 for display." Paragraph 0075)

- a thread configured to synchronize other threads with updated information; **(Huang: see the trace data report thread updating the status data collection thread with data from the trace data store and the event driven data as illustrated in figure 5 and as described in paragraph 0076)**
- a thread configured to set a target state of actuators; **(Huang: see the machine control thread as illustrated in figure 5; "In one embodiment, the execution thread for collecting the trace data may have a higher priority even than the control thread that controls the actuators (which is also shown in FIG. 5)." Paragraph 0076)**
- a thread configured to obtain updated sensor readings; **(Huang: see the status data collection thread as illustrated in figure 5; "For the status data path 506, an independently executing thread obtains all sensor and/or actuator data from the various I/O module controllers to be passed along to user interface module 508 for display." Paragraph 0075)**
- a thread configured to process user interactions; and
- a thread that eliminates other threads upon detecting a problem with the eliminated threads.

Dwinnell, Schultz, Huhn, and Haung are combinable for the same rationale as set forth above with respect to claim 13.

13. Claim 16 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication No. 2002/0161685 (Dwinnell) in view of U.S. Patent Publication No. 2002/0018399 (Schultz) and further in view of U.S. Patent Publication No. 2003/0052180 (Huhn) and U.S. Patent Publication No. 2011/0051645 (Hong).

Claim 16:

Dwinnell, Schultz, and Huhn do not explicitly describe checking validity as described below. However, Hong teaches the checking validity as described below.

Dwinnell, Schultz, Huhn, and Hong describe the system of claim 12, wherein controller is communicatively coupled to the actuator or sensor via a frame-based carrier-sense multiple access protocol with collision detection. **(see the controller in Dwinnell and the CSMA communication in Hong; Hong: "The node sensed collision and the nodes transmitted signals to the node sensed collision transmit data packets using a Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA) technique, which uses RTS/CTS for avoiding collision. Therefore, the nodes transmitted the signals check if the signals they transmitted collide in the upper node through a signal overhearing period. When a collision signal is detected, the nodes perform a channel allocation operation using the RTS/CTS packet in the data transmission period." Paragraph 0083; Dwinnell: "The remote site system 101 comprises a remote site video and data capture server 202 (hereinafter referred to as a remote site capture server 202 or "RSCS 202") in electronic communication with a plurality of cameras 205 positioned strategically about the remote site." Paragraph 0039)**

One of ordinary skill in the art would have recognized that applying the known technique of Dwinnell, namely, a web based interface for oil and gas drilling location information, the known techniques of Schultz, namely, a web server based interface for oil well information and control, and the teachings of Huhn, namely, using addresses to control actuators in a process control system, with the teachings of Hong ,namely, using various communication techniques in a sensor network, would have yielded predictable results and resulted in an improved system. Accordingly, applying the teachings of Dwinnell to provide a web interface for remote viewing of information about oil wells, the teachings of Schultz to use a web interface to view information and control devices in oil wells, and the teachings of Huhn to control actuators using addresses with the teachings of using various communication techniques in a sensor network to Hong would have been recognized by those of ordinary skill in the art as resulting in an improved monitoring and control system (i.e., remote monitoring and control of oil wells using actuator addressing and various communication techniques of Dwinnell based on the teachings of remote control of oil wells in Schultz, the teachings of controlling actuators using addressing in Huhn, and the teachings of using CSMA by sensors in Hong).

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 on 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, Kenneth Lo can be reached on 571-272-9774. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see https://ppair-my.uspto.gov/pair/PrivatePair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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

Notice of References Cited	Application/Control No. 16/656,319	Applicant(s)/Patent Under Reexamination Phillips, Aaron	
	Examiner CHRISTOPHER E EVERETT	Art Unit 2116	Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
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*	B	US-20020018399-A1	02-2002	Schultz, Roger L.	G01V11/002	367/81
*	C	US-20030052180-A1	03-2003	Huhn, Scott G.	H04L29/12254	236/49.3
*	D	US-6967589-B1	11-2005	Peters; George W.	E21B47/00	166/250.15
*	E	US-5149443-A	09-1992	Varnam; O'Neal	B01D17/0214	210/739
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*	G	US-20020156837-A1	10-2002	Batke, Brian A.	H04L69/08	709/203
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	J					
	K					
	L					
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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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	P					
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	R					
	S					
	T					

NON-PATENT DOCUMENTS

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

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

The Integration Group of The Americas Ex. 1004-Page 477
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/656,319	10/17/2019	Aaron Phillips	034392-0508266

CONFIRMATION NO. 2059

909
Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

PUBLICATION NOTICE

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Publication No.US-2020-0159258-A1
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NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

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Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 16/656,319

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	75		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	330		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	380		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x 230 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	785		TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/656,319	10/17/2019	2652	865	034392-0508266	20	1

CONFIRMATION NO. 2059

UPDATED FILING RECEIPT

909
Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

OC000000114731999

Date Mailed: 02/14/2020

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Aaron Phillips, Lubbock, TX;

Applicant(s)

SitePro, Inc., Lubbock, TX;

Power of Attorney: The patent practitioners associated with Customer Number 00909

Domestic Priority data as claimed by applicant

This application is a CON of 15/867,077 01/10/2018 PAT 10488871
which is a CON of 14/984,422 12/30/2015 PAT 9898014
which is a CON of 14/147,190 01/03/2014 PAT 9342078
which is a CON of 13/708,557 12/07/2012 PAT 8649909

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

The Integration Group of The Americas Ex. 1004-Page 480
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 11/04/2019

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/656,319**

Projected Publication Date: 05/21/2020

Non-Publication Request: No

Early Publication Request: No

** **SMALL ENTITY** **

Title

REMOTE CONTROL OF FLUID-HANDLING DEVICES

Preliminary Class

379

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

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The Integration Group of The Americas Ex. 1004-Page 483
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Electronic Patent Application Fee Transmittal

Application Number:	16656319
Filing Date:	17-Oct-2019
Title of Invention:	REMOTE CONTROL OF FLUID-HANDLING DEVICES
First Named Inventor/Applicant Name:	Aaron Phillips
Filer:	Joshua L. Tucker/Amanda Childs
Attorney Docket Number:	034392-0508266

Filed as Small Entity

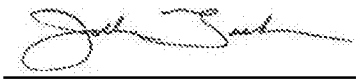
Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	75	75
UTILITY SEARCH FEE	2111	1	330	330
UTILITY EXAMINATION FEE	2311	1	380	380
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	2051	1	80	80
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**865**

General Authorization for Payment of Fees

The Commissioner is authorized to charge any additional fees that may be required to Deposit Account No. 033975.



Josh Tucker
Reg. No. 63809

Electronic Acknowledgement Receipt

EFS ID:	38215724
Application Number:	16656319
International Application Number:	
Confirmation Number:	2059
Title of Invention:	REMOTE CONTROL OF FLUID-HANDLING DEVICES
First Named Inventor/Applicant Name:	Aaron Phillips
Customer Number:	909
Filer:	Joshua L. Tucker/Amanda Childs
Filer Authorized By:	Joshua L. Tucker
Attorney Docket Number:	034392-0508266
Receipt Date:	06-JAN-2020
Filing Date:	17-OCT-2019
Time Stamp:	17:10:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$865
RAM confirmation Number	E202016H11013997
Deposit Account	033975
Authorized User	Amanda Childs

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Fee Worksheet (SB06)	General_Auth_for_Payment.pdf	189065 4d7851f5d76326bbf15deecba27557a14d43bf97	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	37203 1184adce507035257617407ce21ad7a02771dc4b	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	226268		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 16/656,319

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	75		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	330		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	380		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x 230 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	785		TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/656,319	10/17/2019	Aaron Phillips	034392-0508266

CONFIRMATION NO. 2059

909
Pillsbury Winthrop Shaw Pittman, LLP
PO Box 10500
McLean, VA 22102

FORMALITIES LETTER

OC00000012370377

Date Mailed: 11/05/2019

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
- The application search fee must be submitted.
- The application examination fee must be submitted.
- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.
  The surcharge is due for any one of:
  - late submission of the basic filing fee, search fee, or examination fee,
  - late submission of inventor's oath or declaration,
  - filing an application that does not contain at least one claim on filing, or
  - submission of an application filed by reference to a previously filed application.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. Small entity discount is in effect. If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- $ **75** basic filing fee.
- $ **80** surcharge.
- $ **330** search fee.
- $ **380** examination fee.
- $(**0**) previous unapplied payment amount.
- $ **865** TOTAL FEE BALANCE DUE.

The Integration Group of The Americas Ex. 1004-Page 490
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice". https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/atesfaye/

The Integration Group of The Americas Ex. 1004-Page 491
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
16/656,319	10/17/2019	2652	0.00	034392-0508266	20	1

CONFIRMATION NO. 2059

909
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PO Box 10500
McLean, VA 22102

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OC000000112370378

Date Mailed: 11/05/2019

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Inventor(s)

Aaron Phillips, Lubbock, TX;

Applicant(s)

SitePro, Inc., Lubbock, TX;

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Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

The Integration Group of The Americas Ex. 1004-Page 492
SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

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If Required, Foreign Filing License Granted: 11/04/2019

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/656,319**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

REMOTE CONTROL OF FLUID-HANDLING DEVICES

Preliminary Class

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

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PATENT APPLICATION

REMOTE CONTROL OF FLUID-HANDLING DEVICES

CROSS-REFERENCE TO RELATED APPLICATIONS

[001] The present application is a continuation of U.S. Patent Application 15/867,077 filed 10 January 2018, and titled REMOTE CONTROL OF FLUID-HANDLING DEVICES, which is a continuation of U.S. Patent Application 14/984,422 filed 30 December 2015, and titled REMOTE CONTROL OF FLUID-HANDLING DEVICES, which is a continuation of U.S. Patent Application 14/147,190, issued as U.S. Patent 9,342,078, filed 03 January 2014, titled REMOTE CONTROL OF FLUID-HANDLING DEVICES, which is a continuation of U.S. Patent Application 13/708,557, issued as U.S. Patent 8,649,909, filed 07 December 2012, and titled REMOTE CONTROL OF FLUID-HANDLING DEVICES, the entire contents of each of which are hereby incorporated by reference for all purposes.

BACKGROUND OF THE INVENTION

1. Field of the Invention

[002] The present invention relates generally to fluid-handling devices and, more specifically, to remote control of fluid-handling devices.

2. Description of the Related Art

[003] Fluid-handling devices, such as valves, pumps, and various other forms of process equipment, in many use cases, are widely geographically distributed. For example, when such devices are used to extract petroleum products from an oil well, the associated fluid source or receptacle may be in a relatively remote location, as oil wells are generally distributed relative to one another and located remote from metropolitan areas. Similar issues arise in relation to petro-water disposal facilities, re-injection facilities, and petroleum pumping stations, all of which tend to be geographically distributed and include fluid-handling equipment.

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[004] When monitoring or controlling such sites, it can be time-consuming and expensive for a technician to manually adjust or otherwise control fluid-handling devices, as the technician will incur costs and delays by traveling to the device to make adjustments or gather data in person. And these adjustments and inspections often occur relatively frequently, as process conditions and market demand fluctuate, thereby further increasing costs.

[005] Some systems exist for exercising remote monitoring of fluid-handling devices, such as various supervisory control and data acquisition (SCADA) systems, but many of these systems fail when a network connection is lost. Remote logic controlling such systems generally ceases to exercise control when the remote logic is disconnected in the event of a network failure. Further, some SCADA systems require the installation of special-purpose software on a computing device in order to exercise control remotely, which tends to deter users from exercising remote control of fluid-handling devices due to the burden of configuring each computer from which remote control is exercised.

SUMMARY OF THE INVENTION

[006] The following is a non-exhaustive listing of some aspects of the present techniques. These and other aspects are described in the following disclosure.

[007] In some aspects, the present techniques include a system for remotely controlling fluid-handling device of an oil well, a petro water disposal or re-injection facility, or a petroleum pumping station, the system including: an input/output module operable to communicate with a fluid-handling device; a network interface; memory; and one or more processors communicatively coupled to the input/output module, the network interface, and the memory, wherein the memory stores instructions that when executed by the processors cause the processors to effectuate steps including: receiving, via the network interface, from a remote user device, a command to change a state of the fluid-handling device to a target state; translating the received command into a translated command operative to cause a local controller of the fluid-handling device to drive the fluid-handling equipment to the target state, the local controller being responsive to the command and feedback from the fluid-handling device indicative of whether the fluid-handling device is in the target state; and sending the translated command to the local controller..

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[008] Some aspects include a tangible, non-transitory machine-readable medium storing instructions that when executed by a data processing apparatus cause the data processing apparatus to perform operations including: receiving, via the network interface, from a remote user device, a command to change a state of the fluid-handling device to a target state; translating the received command into a translated command operative to cause a local controller of the fluid-handling device to drive the fluid-handling equipment to the target state, the local controller being responsive to the command and feedback from the fluid-handling device indicative of whether the fluid-handling device is in the target state; and sending the translated command to the local controller.

[009] Some aspects include a process, including: receiving, via the network interface, from a remote user device, a command to change a state of the fluid-handling device to a target state; translating the received command into a translated command operative to cause a local controller of the fluid-handling device to drive the fluid-handling equipment to the target state, the local controller being responsive to the command and feedback from the fluid-handling device indicative of whether the fluid-handling device is in the target state; and sending the translated command to the local controller.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] The above-mentioned aspects and other aspects of the present techniques will be better understood when the present application is read in view of the following figures in which like numbers indicate similar or identical elements:

[0011] Figure 1 illustrates an example of a command-center server and site master-controller in accordance with some embodiments;

[0012] Figure 2 illustrates an example of a process by which remote control of fluid-handling devices is exercised in accordance with some embodiments; and

[0013] Figure 3 illustrates an example of a computing device by which the hardware and processes of Figures 1 and 2 may be implemented.

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[0014] While the invention is susceptible to various modifications and alternative forms, specific embodiments thereof are shown by way of example in the drawings and will herein be described in detail. The drawings may not be to scale. It should be understood, however, that the drawings and detailed description thereto are not intended to limit the invention to the particular form disclosed, but to the contrary, the intention is to cover all modifications, equivalents, and alternatives falling within the spirit and scope of the present invention as defined by the appended claims.

DETAILED DESCRIPTION OF CERTAIN EMBODIMENTS

[0015] Figure 1 illustrates a computing environment 10 having a control system 12 that, in some implementations, addresses some or all of the above-mentioned deficiencies in certain SCADA systems for exercising remote control of fluid-handling devices. As explained in greater detail below, the control system 12 of this embodiment includes a command-center server 14 and site master-controllers 16 (specifically, in this example, three such site master-controllers 18, 20, and 22) that cooperate to facilitate remote control at a fluid-handling site 24 from user devices 26 or 28 via the Internet 30. Each site master-controller 16 may be co-located with a corresponding fluid-handling site 24 and, in some embodiments, may include logic that implements remotely issued commands, such that once a command is issued from user devices 26 or 28 and received at a site master-controller 16, the site master-controller 16, in some embodiments, executes the command to completion, even if Internet access is lost before the command is fully executed. Further, the site master-controller 16 of some embodiments may be operative to translate commands into various device-specific protocols, such that a single implementation of the site master-controller 16 is relatively versatile regardless of the type of fluid-handling device being controlled. And in some implementations, the command-center server 14 may be operative to present a command interface and receive commands via a web interface in a web browser on user devices 26 and 28, such that fluid-handling devices can be controlled remotely without the need to install special-purpose software on the computing device through which remote control is exercised. It should be noted, however, that not all embodiments provide all of these benefits, as various engineering and cost trade-offs are envisioned, and some embodiments may provide other or none of these benefits.

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[0016] In some embodiments, the command-center server 14 includes a web server 32, a data store 34, and a site server 36. The command-center server 14 may act as a central node through which any of a plurality of user devices, such as user devices 26 and 28 (e.g., laptops, tablets, desktop computers, smartphones, and the like), issue commands to any of a plurality site master-controller 16, provided that such access is authorized. Only two user devices and three site master-controllers are shown for simplicity of explanation, but implementations including substantially more of each are envisioned, such as more than several hundred or several thousand user devices and more than several hundred or several thousand site master-controllers, for example. That said, embodiments are also consistent with a single user device and a single site master-controller.

[0017] The illustrated web server 32 may be operative to send instructions to present a control interface on the user devices 26 and 28, for example in a web browser on an operating system executed by processors and stored by memory of the user devices 26 or 28. The web server 32 may be operative to receive a request for such an interface from one of the user devices 26 or 28, send instructions (for example HTML JavaScript, and cascading stylesheets) to the user devices 26 that when rendered in a browser of the user devices 26 or 28, presents the control interface. The control interface may include buttons, text-input fields, and the like, that when interacted with by a user (e.g., touching, clicking, keying in text, and the like) generated events handled by the control interface and which cause corresponding commands to be sent from the user devices 26 or 28 to the command-center server 14. Other embodiments may have a special-purpose application executing on the user devices 26 and 28 for presenting the control interface and sending commands to the command-center server 14, e.g., a smartphone app that communicates via a web-based application program interface. The command-center server may interact with the user devices 26 and 28 via an Internet Protocol (IP) address of the command-center server and a port, such as port 80, which may be different from a port by which the command-center server 14 communicates with the various site master-controller 16, as described below, to keep traffic from the different components separate.

[0018] The web server 32 may also be operative to send instructions to present reports, and interfaces by which such reports are selected, to the user devices 26 or 28 responsive to user requests for such information or interfaces. As explained in greater detail below, the site master-

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controller 16 may report various process data, and the web server 32 may present this process data to users upon request. This process data may be stored in the data store 34.

[0019] In the data store 34 of some embodiments, the site master-controllers 16 may be organized according to user accounts, with each site master-controller 16 corresponding to at least one user account and some user accounts corresponding to multiple site master-controllers 16, as some users may have, for example, a plurality of oil wells or other facilities which the user wishes to control or monitor. In some embodiments, the data store 34 includes a plurality of account records, each account record having one or more user names, one or more user passwords, billing information (e.g., billing address, subscription price, and invoicing data), and identifiers of one or more site master-controllers (e.g. an IP address of each site master-controller) with which users under the corresponding account are authorized to interact (e.g., issue commands or view reports of data from the site master-controller). The data store 34 may encode such arrangements of data in a variety of formats, including a relational database, program state, hierarchical key-value pairs, a flat file, or other information encoded in a tangible, non-transitory, machine-readable medium, such as a hard drive or random access memory.

[0020] The illustrated site server 36 may be operative to interface between the command-center server 14 and the site master-controllers 16 by directing commands received via the web server 32 to the site master-controller 16 to which the command is addressed and receiving process data from the respective site master-controllers to be stored in the data store 34 or presented to the users via the web server 32. In some embodiments, the site server 36 is operative to receive a command via the web server 32, identify an IP address of the site master-controller 16 to which the command is addressed, and send the command to the respective site master-controller 16, for example via an IP address of the command set center server (which may be the same as that of the web server 32 or different) and via a port of the command-center server 14 (which may be different from a port used for the web server 32, or some embodiments may use the same port).

[0021] The data store 34, web server 32, and site server 36 may be co-located, for example in a single computing device, or these components 32 and 34 may be distributed across a number of computing devices, either co-located or physically distributed. The web server 32 and site server 36 may be operative to issue queries to the data store 34 to implement requests from the user

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devices 26 or 28, and the web server 32 may communicate with the site server 36 to effectuate commands.

[0022] In some embodiments, each site master-controller 16 controls a respective fluid-handling site 24 (only one of which is shown for site master-controller 18, though each of the other site master-controllers 20 and 22 may be associated with their own, differently located fluid-handling site, or some sites may have multiple site master controllers). The site master-controller 16 may receive commands from the command-center server 14 and implement those commands to completion, for example without further feedback to, and control signals from, the command-center server 14, such that the command can be executed even if a network connection to the command-center server 14 is temporarily lost. Further, the site master-controller 16 may be operative to report process data to the command-center server 14 for storage in the data store 34 and presentation via the web server 32 on user devices 26 and 28.

[0023] In some embodiments, the site master-controllers 16 are physically located at an associated fluid-handling site 24. For example, the site master-controller 18 may be connected to the fluid-handling site via a private network through which communications are sent without passing through the public Internet, and in some cases, the site master-controller 18 may be within a mile of the fluid-handling site 24, to give one example of co-location. The site master-controllers 16 may be geographically remote from one another, the command-center server 14, and the user devices 26 and 28 (each of which may also be remote from one another). For example, each of these components may be more than 1 mile from one another or not connected to one another via a private network. In some cases, though, some sites may have multiple site master-controllers co-located at a single site or some user devices may be co-located.

[0024] To execute commands at the fluid-handling site 24, the site master-controller 18 translates the received commands into a protocol appropriate for a corresponding fluid-handling device 38 (identified individually by reference numbers 40, 42, 44, 46, and 48). Accordingly, the features of the fluid-handling site 24 are described before addressing internal components of the exemplary site master-controller 18 to explain the environment in which the site master-controller 18 operates.

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[0025] In this embodiment, the fluid-handling site 24 includes a plurality of fluid-handling devices 38 that are fluidly coupled to a fluid source 50 or a fluid receptacle 52, such that fluids (e.g., liquids or gases) can flow to, from, or through the respective fluid-handling device 38. The illustrated embodiment includes five fluid-handling devices, but other embodiments may include different numbers of such devices coupled to the various site master-controllers 16.

[0026] The fluid-handling devices may be any of a variety of different types of devices that handle fluids. For example, the fluid-handling devices may be a valve, a pump, a process chamber (for instance a oil/water separation tank), or a process filter, or level switch. In some cases, the fluid-handling device may include an actuator, for instance an electric motor or a hydraulic drive, by which fluid flow or other parameters are manipulated, a sensor 56 by which process parameters are measured, or a local controller 58 by which power to the actuator 54 is modulated. Fluid-handling devices 38 may include a variety of types of sensors, for instance, a temperature, viscosity, flowrate, fluid level, pressure, conductivity, or other parameter sensor.

[0027] The illustrated fluid-handling device 40 is shown with feedback control of the actuator 54 by the local controller 58 based on measurements from the sensor 56, but other embodiments may include an actuator with feed-forward control, including actuators controlled by an on-off switch without sensor feedback. The local controller 58 may be operative to receive a command to drive the actuator 54 from a current setpoint to a target setpoint and control the flow of power (e.g. hydraulic or electric power) to the actuator 54 to implement the requested change of state. For instance, the controller 58 may receive a command to change a speed, pressure, or flowrate of a pump and may respond by increasing or decreasing a flow of electric or hydraulic power to an electrical or hydraulic motor driving such a pump. Or the controller 58 may receive a command to open or close a valve and, in response, may increase or decrease a flow of electric or hydraulic power to a corresponding actuator that opens or closes the valve.

[0028] In some cases, the local controllers 58 may have relatively limited processing power, such that more complicated changes in state are executed responsive to multiple commands to the respective fluid-handling device 38. For example, a fluid-handling device 38 with feed-forward control may receive a command to adjust to a target setpoint, return sensor data to the site master-controller 18, and received a subsequent command to adjust further based on a

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determination made by the site master-controller 18 based on the sensor data. In another example, a stuck-valve may be loosened by a series of commands issued from the site master-controller 18 causing a local controller 58 to oscillate between states, working the stuck-valve loose. Similarly, shocks to up-stream or down-stream fluid-handling devices may be mitigated by a series of commands gradually changing the state of a given fluid-handling device, for instance gradually ramping up or down the speed of a pump or gradually opening or closing a valve. In some embodiments, an action that affects the system, yet originates from outside the system, may use logic from a controller in the local system, such as a relatively drastic or rapid reduction in a specific tank level, which may indicate that a leak in a tank may exists, and the outside logic may provide which tank is experiencing the leak.

[0029] The site master-controller 18, in some embodiments, communicates with the fluid-handling devices 38 via a plurality of control buses 60 (individually labeled as 62, 64, and 66). Each control bus 60 may be operative to convey commands to one or more of the fluid-handling devices 38 using a different protocol. In this example, control bus 66 communicates with fluid-handling devices 42 and 40, control bus 64 communicates with fluid-handling device 44, and control bus 62 communicates with fluid-handling devices 46 and 48, but this arrangement is merely exemplary, and other embodiments may include more or fewer control buses, more or fewer fluid-handling devices per control bus, and more or fewer control buses per fluid-handling device. The control buses 60 may be serial or parallel control buses conveying digital or analog signals.

[0030] In one particular implementation, intended to serve merely as an example, the control bus 66 conveys commands and data using a serial communication protocol, such as the Modbus remote terminal unit (RTU) protocol, in which commands and other data are encoded in binary signals packaged in frames having redundant bits for detecting errors. The fluid-handling devices 40 and 42 on the bus 66, in this example, each have a unique address on the bus 66 by which commands from the site master-controller 68 are addressed to specific fluid-handling devices 40 or 42, and these addresses may be stored in memory of the site master-controller 18 as described in greater detail below. In some examples, site master-controller 18 acts as a master device on the bus 66, controlling which devices are permitted to transmit signals on the bus 66 at a given point in time. In this example, the fluid-handling devices 42 and 40 may include a bus interface

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that detects when a command is addressed to the respective fluid-handling device and stores the command for further processing, for example by a local controller 58 that implements the command. For example, fluid-handling device 40 may be a pump, and the bus 66 may convey commands to the local controller 58 to increase the speed of the actuator 54, for example an electric motor speed, to increase a pumping flowrate or pressure. In another example, the site master-controller 18 may issue a command on bus 66 to fluid-handling device 40 to return a value sensed by sensor 56, for example a measured pump speed, pressure, or flowrate.

[0031] In another aspect of this particular exemplary implementation, the bus 64 conveys a single value, for example a binary on/off value encoded in a voltage or current, or an analog control signal, encoded in a current or voltage, to one fluid-handling device 44 via a single wire (or pair of wires, if a reference different from ground is used). In some cases, the value may be a voltage ranging from 0 to 5 V, or some other range, in which a relatively low voltage, below a threshold, corresponds to an off signal, and a relatively high voltage, above a threshold, corresponds to an on signal. In some cases, the same command may be conveyed to multiple fluid-handling devices connected in series or parallel, or multiple commands may be conveyed by multiple wires in parallel to a single fluid-handling device or multiple fluid-handling devices, for instance one on-off signal per fluid-handling device. As explained in greater detail below, one or more instances the bus 64 may connect to a data acquisition board of the site master-controller 18 for manipulating voltage or current to encode commands. In one example, the bus 64 conveys a binary value to a local controller for a valve actuator as a voltage-high or voltage-low signal, commanding the valve to open or close, respectively. In some cases, instances of the bus 64 may also return data to the site master-controller 18, for example as an analog signal indicating the state of a sensor. In some embodiments, instances of the bus 64 may connect to sensors on fluid-handling devices that are also connected to the bus 66 or the bus 62, e.g., returning sensor values, while the other buses convey commands.

[0032] In another aspect of this particular exemplary implementation, the bus 62 is an Ethernet bus, forming a private local area network by which the site master-controller 18 communicates with fluid-handling devices 46 and 48 via the Ethernet protocol. Examples of various forms of constraints and set point targeting that might be implemented with such communication are described below with reference to local controllers. In this example, data is conveyed in frames

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of binary data, and each of the site master-controller 18 and the fluid-handling devices 46 and 48 are associated with a respective network address that, when included in such a frame, indicates that the frame is addressed to the associated device. Frames may include redundancy to detect corrupted frames, and access to the bus 62 may be controlled in a distributed fashion, by each device sensing whether a transmission by the device caused a collision on the bus 62, e.g., using carrier-sense multiple-access techniques with collision detection. In this example, fluid-handling devices 46 and 48 may include network interfaces, such as network interface cards or integrated devices that detect frames addressed to the corresponding fluid-handling device 46 or 48, capture the frames, and store commands encoded in the frames (e.g., in a buffer) for subsequent processing by a local controller. Similarly, the fluid-handling devices 46 and 48 may return data to the site master-controller 18, for example data from sensors of the fluid-handling devices, using the Ethernet protocol.

[0033] As noted above, the site master-controller 18, in this embodiment, like the other site master-controller 20 and 22, is operative to receive commands from the command-center server 14 and translate those commands in accordance with both protocols of the respective buses 62, 64, or 66 and command formats supported by the fluid-handling devices 38 (e.g., command codes, on-off signals, application-program interfaces, and the like, depending on the device). To this end, in this embodiment, the site master-controller 18 includes a network interface 68, a site management module 70, a protocol multiplexer 72, command translators 74 (individually labeled as 76, 78, 80), controllers 82 (individually labeled as 84, 86, 88, 90, 92, and 94), and input/output modules 96 (individually labeled as 98, 100, and 102). The site master-controller 18 may also include a report buffer 104 that stores data to be reported back to the command-center server 14.

[0034] The illustrated network interface 68 is operative to communicate with the command-center server 14 via the Internet 30 (e.g., via the Internet and other networks, such as a local area network, a cellular network, or the like). In some embodiments, the site management module 70 communicates with the network interface 68 via application program interfaces of an operating system in which the site master-controller 18 is executed.

[0035] The illustrated site-management module 70 is operative to coordinate the operation of the other components of the site master-controller 18. In some cases, the site management module 70

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monitors a network socket defined by an Internet protocol address and port of the site master-controller 18 and handles events, e.g., incoming commands, from the network socket. In some embodiments, the site-management module 70 is implemented with multiple threads, in a system in which one thread sends and receives data request; one thread controls and monitors the current state of the system, causing other threads to be synced with current information; one thread writes to writeable devices (e.g., devices having memory) to set the target state of each device; one thread that handles server interaction for updating and receiving; one thread that handles user interaction (e.g., presenting interfaces on an local display, receiving user input, and handling events from such input); and one thread that eliminates threads that become problematic.

[0036] The site manager module 70 may also be operative to transmit data with the network socket, using the network interface 68, to the command-center server 14. For example, the site manager module 70 may periodically retrieve data from the report buffer 104, such as alarms, measurements from sensors, and other data associated with the fluid-handling site 24, and push this data to the command-center server 14. Or the site management module 70 may be operative to receive requests for such data being pulled from the command-center server 14, and retrieve the corresponding data from the report buffer 104 for transmission back to the command-center server 14. Further, the site manager module 70 may be operative to request measurements, alarms, and other data from the fluid-handling devices via the components 72, 74, 82, and 96, and store this data in the report buffer 104 for transmission to the command-center server 14.

[0037] In this embodiment, when the site management module 70 receives a command via the network interface 68, or issues its own command (e.g., to poll sensors or alarm logs), the command is conveyed to a protocol multiplexer 72, which may be operative to determine which control bus 60 and fluid-handling device 38 will receive a corresponding translated command. For example, the protocol multiplexer 72 may store in memory records for communicating with the fluid-handling devices 38. Each record may correspond to a individual fluid-handling device 38 or an individual actuator or sensor of a fluid-handling device, and each record may include a unique identifier of the corresponding device, actuator, or sensor; a control bus address of the device, actuator, or sensor (for those components on a control bus that is addressable); an identifier of the control bus 62, 64, or 66 through which the site master-controller 18

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communicates with the device, actuator, or sensor; and an identifier of the protocol through which such communication occurs.

[0038] When a command is received at the protocol multiplexer 72, in some embodiments, the command includes the identifier of the device, actuator, or sensor to which the command is directed, and using this identifier, the protocol multiplexer 72 retrieves the corresponding record from memory to identify the appropriate protocol. In this example, based on the protocol in the record, the protocol multiplexer 72 selects among the command translators 74, each of which corresponds to a different protocol. For example, the command translator 80 may correspond to a protocol of control bus 66, such as the modbus RTU protocol; the command translator 78 may corresponds to a protocol of the control bus 64, such as a binary or analog voltage or current signal conveyed via a data acquisition board; and the command translator 76 may corresponds to a protocol of the control bus 62, such as the Ethernet protocol.

[0039] The command translators 74 may be operative to translate a received command from an input format to a format configured to effectuate changes in the fluid-handling devices 38. For instance, a generic command to open a valve may be sent from the control-center server 14, and that command may be translated to differently depending on the specific protocol used to communicate with the corresponding valve at a given site, with different sites potentially employing different protocols for the task. Translating commands may abstract the details of the site-specific implementations away from those implementing the command-center server 14, facilitating relatively rapid deployment of new features or sites.

[0040] In one example of translation, the command translator 80 may receive a command to increase a pump speed, and the command translator may determine a corresponding command via calculation or look-up table, such as a modbus function code and associated data, that when conveyed via the control bus 66 causes a corresponding fluid-handling device 40 or 42 to change state. In some embodiments, prior to execution, the command is checked for validity, to ensure the current conditions of the system warrant that the commanded action occur to preventing harm to the fluid-handling devices.

[0041] For example, some embodiments may store in memory accessible to the command translator 80 system constraints describing acceptable patterns of input and output parameters.

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The system constraints may be selected to prevent damage to the system, e.g., a maximum speed for a pump, a maximum or minimum liquid height for a tank, a maximum or minimum fluid pressure, a maximum or minimum flow rate, an impermissible pattern of open valves that would leak oil outside of the system, etc. A command may be compared against these constraints to determine whether the command would cause the system to violate one of the constraints. In response to determining that the command would violate a constraint, the command may be rejected, an override confirmation may be requested from the operator, or the command may be executed to the extent permitted by the constraints, for instance.

[0042] Some embodiments may execute the translated commands in different modes. For instance, in an automatic mode, the command translator 80 may select set points to keep the system within the above-described constraints, execute a process recipe in which a collection of set points are targeted, or to target other output set points given the above described constraints. In another example, the system may operate in a mixed automatic mode in which the user selects which devices are manually controlled while other devices are automatically controlled. In a third example, a manual mode, each of the devices may be controlled manually.

[0043] In another example, the command translator 78 may be operative to determine whether a command corresponds to a particular voltage or current on an individual instance of the control bus 64. For example, a command to dislodge a stuck valve may be translated by the command translator 78 into a sequence of on and off signals conveyed via a high and low voltage on an individual wire corresponding to bus 64.

[0044] In another example, the command translator 76 may be operative to translate commands into a format configured to change the state of fluid-handling devices 46 or 48. Or in some embodiments, command translator 76 is operative to pass through and un-translated command if appropriately formatted as received from the command-center server 14.

[0045] Some embodiments may include controllers 82 operative to execute control routines implicated by the translated commands on an individual device 38, actuator 54, or sensor 56. To this end, the commands translator 74, in addition to transmitting commands, may also route the translated command to a controller 82 corresponding to the specific device, actuator, or sensor to which the command is directed. The controllers 82 may determine set points corresponding to

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(or conveyed in) the command, send control signals configured to drive the fluid-handling device to the set points, and receive feedback from the fluid-handling device 38 indicative of whether the fluid-handling device 38 has achieved the target set point. In some embodiments, the controllers 82 include proportional-integral-derivative controllers for exercising feedback control, or the controllers 82 may include feed forward control algorithms (e.g., look-up tables or formulas for calculating commands based on set points). Further, in some embodiments, the controllers 82 may change the set point over time in accordance with the received command, for example a command to gradually ramp up a motor speed, a command to gradually open a valve, or a command to oscillate the position of a valve to dislodge a stuck valve. Algorithms for changing the set point may be stored in memory accessible to the controllers 82 responsive to a translated command implicating the specific algorithm.

[0046] The illustrated input/output modules 26 include, in some embodiments, link-layer devices that accommodate the particular features of the physical medium with which control buses 62, 64, and 66 are implemented. In some cases, the input/output modules 96 also perform encoding and decoding at the network and transport layer, for example packaging data in appropriately structured frames for the respective control bus 60. In one example, the input/output module 102 includes a modbus modem, the input/output module 100 includes a data acquisition board (for example a printed circuit board having one or more digital-to-analog converters or analog-to-digital converters), and the input/output module 98 includes an Ethernet network interface card.

[0047] The site master-controller 18, thus, may be operative to receive commands from the site server 36 of the command-center server 14, translate those commands, identify the appropriate control bus 60 and, if needed, address on the control bus, and implement the command once received, even if network access is lost after the command is issued from the command-center server 14. Further, the site master-controller 18, in some embodiments, is operative to retrieve sensor data, alarms, and other site data, and buffer such data in the report buffer 104, before the data is periodically returned to the command-center server 14, such that buffered data is not lost if network access ceases intermittently. Accordingly, some embodiments provide control and monitoring of remote fluid handling sites 24 that is relatively robust to interruptions in network service, and some embodiments facilitate such monitoring and control via a web browser on user devices 26 and 28, such that the addition of new devices or users is relatively simple compared to

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systems that require special purpose applications. Again though, not all embodiments provide these benefits, and some embodiments may provide other benefits.

[0048] The components of the site master-controller 18 and command-center server 14 are described above with reference to discrete functional blocks and as discrete unitary components, but it should be understood that software or hardware by which these functional blocks or components are implemented may be distributed across multiple computing systems or multiple processes within a computing system, and code, stored in a tangible, non-transitory, machine-readable medium, for providing this functionality or the functionality described below may be intermingled, conjoined, divided, or otherwise differently organized than the manner in which the functional blocks are illustrated.

[0049] Figure 2 illustrates an embodiment of a process 104 for exercising remote control of a fluid-handling site. The process 104 may be performed by the above-described site master-controllers 16, though embodiments are not limited to the implementations described above. Further, embodiments may include additional steps, fewer steps, and steps in a different order from the manner in which the process 104 is illustrated, which is not to suggest that any other feature described herein is required in all embodiments or cannot be modified.

[0050] In some embodiments, the process 104 includes receiving, via a network interface, from a remote user device, (e.g., via a command-center server) a command to change a state of a fluid-handling device to a target state, as illustrated by block 106. The command may be received from, for example, the above-describes site server 36, which may have received the command from a remote user device via a web browser of the user device. Further, the command to change the fluid-handling device to a target state may include a command that changes the fluid-handling device to a plurality of different states over time, such as a command to ramp up or down a motor speed or oscillate some parameter.

[0051] In some embodiments, the process 104 includes identifying a protocol and control bus of the fluid-handling device, as illustrated by block 108. Identifying a protocol and control bus may include parsing an identifier of a device, actuator, or sensor from the received command and retrieving a corresponding record based on the identifier, the record including an identifier of the

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protocol and control bus. In some embodiments, the retrieved record may also include an identifier of a control bus address of the corresponding device, actuator, or sensor.

[0052] In some embodiments, the process 104 includes translating the received command into a translated command based on the identified protocol, as illustrated by block 110. Examples of such translation are described above with reference to the command translators 74.

[0053] The process 104 may also include sending the translated command to a local controller of the fluid-handling device via the identified control bus, as illustrated by block 112. Sending the translated command may include exercising feedback control of the fluid-handling device based on sensor data received from the fluid-handling device by adjusting a set point sent to the local controller. Or in some use cases, sending the translated command may include sending a sequence of set points that change over time.

[0054] In some embodiments, the process 104 includes receiving sensor data from the fluid-handling device confirming that the command was executed, as illustrated by block 114. As with the other features described herein, not all embodiments include this step. Using this data, some embodiments may exercise feedback control or may retrieve sensor measurements following the execution of a command for reporting to the user device. In some cases, the sensor data is retrieved regardless of whether a command was issued, for example periodically to monitor the state of the fluid-handling device. In one example, the fluid-handling device is an oil/water separation tank, and a set point of a pump is adjusted to change a fluid level in the tank, e.g., a level at which oil meets water or a level of the oil.

[0055] In some embodiments, the received sensor data is stored in local memory, as illustrated by block 116. For example, the received sensor data may be stored in the above-described report buffer 104.

[0056] In some embodiments, the process 104 further includes periodically sending the sensor data to the remote server for reporting to the user device, as illustrated by block 118. Periodically, data from the report buffer may be transmitted to the above-described command-center server 14 for compilation of reports requested by user devices 26 to 28. Similarly, alarms

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or other log data issued by fluid-handling devices may also be retrieved, stored, and transmitted to the command-center server 14 for reporting.

[0057] Thus, systems implementing the process 104, in some embodiments, offer relatively robust control and monitoring of fluid-handling devices that are geographically distributed. This is expected to lower the costs associated with operating such fluid-handling devices and facilitate the extraction of petroleum products and other processing of fluids.

[0058] Figure 3 is a diagram that illustrates an exemplary computing system 1000 in accordance with embodiments of the present technique. Various portions of systems and methods described herein, may include or be executed on one or more computer systems similar to computing system 1000. Further, processes and modules described herein may be executed by one or more processing systems similar to that of computing system 1000.

[0059] Computing system 1000 may include one or more processors (e.g., processors 1010a-1010n) coupled to system memory 1020, an input/output I/O device interface 1030 and a network interface 1040 via an input/output (I/O) interface 1050. A processor may include a single processor or a plurality of processors (e.g., distributed processors). A processor may be any suitable processor capable of executing or otherwise performing instructions. A processor may include a central processing unit (CPU) that carries out program instructions to perform the arithmetical, logical, and input/output operations of computing system 1000. A processor may execute code (e.g., processor firmware, a protocol stack, a database management system, an operating system, or a combination thereof) that creates an execution environment for program instructions. A processor may include a programmable processor. A processor may include general or special purpose microprocessors. A processor may receive instructions and data from a memory (e.g., system memory 1020). Computing system 1000 may be a uni-processor system including one processor (e.g., processor 1010a), or a multi-processor system including any number of suitable processors (e.g., 1010a-1010n). Multiple processors may be employed to provide for parallel or sequential execution of one or more portions of the techniques described herein. Processes, such as logic flows, described herein may be performed by one or more programmable processors executing one or more computer programs to perform functions by operating on input data and generating corresponding output. Processes described herein may be

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performed by, and apparatus can also be implemented as, special purpose logic circuitry, e.g., an FPGA (field programmable gate array) or an ASIC (application specific integrated circuit). Computing system 1000 may include a plurality of computing devices (e.g., distributed computer systems) to implement various processing functions.

[0060] I/O device interface 1030 may provide an interface for connection of one or more I/O devices 1060 to computer system 1000. I/O devices may include devices that receive input (e.g., from a user) or output information (e.g., to a user). I/O devices 1060 may include, for example, graphical user interface presented on displays (e.g., a cathode ray tube (CRT) or liquid crystal display (LCD) monitor), pointing devices (e.g., a computer mouse or trackball), keyboards, keypads, touchpads, scanning devices, voice recognition devices, gesture recognition devices, printers, audio speakers, microphones, cameras, or the like. I/O devices 1060 may be connected to computer system 1000 through a wired or wireless connection. I/O devices 1060 may be connected to computer system 1000 from a remote location. I/O devices 1060 located on remote computer system, for example, may be connected to computer system 1000 via a network and network interface 1040.

[0061] Network interface 1040 may include a network adapter that provides for connection of computer system 1000 to a network. Network interface may 1040 may facilitate data exchange between computer system 1000 and other devices connected to the network. Network interface 1040 may support wired or wireless communication. The network may include an electronic communication network, such as the Internet, a local area network (LAN), a wide area (WAN), a cellular communications network or the like.

[0062] System memory 1020 may be configured to store program instructions 1100 or data 1110. Program instructions 1100 may be executable by a processor (e.g., one or more of processors 1010a-1010n) to implement one or more embodiments of the present techniques. Instructions 1100 may include modules of computer program instructions for implementing one or more techniques described herein with regard to various processing modules. Program instructions may include a computer program (which in certain forms is known as a program, software, software application, script, or code). A computer program may be written in a programming language, including compiled or interpreted languages, or declarative or

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procedural languages. A computer program may include a unit suitable for use in a computing environment, including as a stand-alone program, a module, a component, a subroutine. A computer program may or may not correspond to a file in a file system. A program may be stored in a portion of a file that holds other programs or data (e.g., one or more scripts stored in a markup language document), in a single file dedicated to the program in question, or in multiple coordinated files (e.g., files that store one or more modules, sub programs, or portions of code). A computer program may be deployed to be executed on one or more computer processors located locally at one site or distributed across multiple remote sites and interconnected by a communication network.

[0063] System memory 1020 may include a tangible program carrier having program instructions stored thereon. A tangible program carrier may include a non-transitory computer readable storage medium. A non-transitory computer readable storage medium may include a machine readable storage device, a machine readable storage substrate, a memory device, or any combination thereof. Non-transitory computer readable storage medium may include, non-volatile memory (e.g., flash memory, ROM, PROM, EPROM, EEPROM memory), volatile memory (e.g., random access memory (RAM), static random access memory (SRAM), synchronous dynamic RAM (SDRAM)), bulk storage memory (e.g., CD-ROM and/or DVD-ROM, hard-drives), or the like. System memory 1020 may include a non-transitory computer readable storage medium may have program instructions stored thereon that are executable by a computer processor (e.g., one or more of processors 1010a-1010n) to cause the subject matter and the functional operations described herein. A memory (e.g., system memory 1020) may include a single memory device and/or a plurality of memory devices (e.g., distributed memory devices). In some embodiments, the program may be conveyed by a propagated signal, such as a carrier wave or digital signal conveying a stream of packets.

[0064] I/O interface 1050 may be configured to coordinate I/O traffic between processors 1010a-1010n, system memory 1020, network interface 1040, I/O devices 1060 and/or other peripheral devices. I/O interface 1050 may perform protocol, timing or other data transformations to convert data signals from one component (e.g., system memory 1020) into a format suitable for use by another component (e.g., processors 1010a-1010n). I/O interface 1050 may include support for devices attached through various types of peripheral buses, such as a variant of the

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Peripheral Component Interconnect (PCI) bus standard or the Universal Serial Bus (USB) standard.

[0065] Embodiments of the techniques described herein may be implemented using a single instance of computer system 1000, or multiple computer systems 1000 configured to host different portions or instances of embodiments. Multiple computer systems 1000 may provide for parallel or sequential processing/execution of one or more portions of the techniques described herein.

[0066] Those skilled in the art will appreciate that computer system 1000 is merely illustrative and is not intended to limit the scope of the techniques described herein. Computer system 1000 may include any combination of devices or software that may perform or otherwise provide for the performance of the techniques described herein. For example, computer system 1000 may include or be a combination of a cloud-computing system, a data center, a server rack, a server, a virtual server, a desktop computer, a laptop computer, a tablet computer, a server device, a client device, a mobile telephone, a personal digital assistant (PDA), a mobile audio or video player, a game console, a vehicle-mounted computer, or a Global Positioning System (GPS), or the like. Computer system 1000 may also be connected to other devices that are not illustrated, or may operate as a stand-alone system. In addition, the functionality provided by the illustrated components may in some embodiments be combined in fewer components or distributed in additional components. Similarly, in some embodiments, the functionality of some of the illustrated components may not be provided or other additional functionality may be available.

[0067] Those skilled in the art will also appreciate that, while various items are illustrated as being stored in memory or on storage while being used, these items or portions of them may be transferred between memory and other storage devices for purposes of memory management and data integrity. Alternatively, in other embodiments some or all of the software components may execute in memory on another device and communicate with the illustrated computer system via inter-computer communication. Some or all of the system components or data structures may also be stored (e.g., as instructions or structured data) on a computer-accessible medium or a portable article to be read by an appropriate drive, various examples of which are described above. In some embodiments, instructions stored on a computer-accessible medium separate

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from computer system 1000 may be transmitted to computer system 1000 via transmission media or signals such as electrical, electromagnetic, or digital signals, conveyed via a communication medium such as a network or a wireless link. Various embodiments may further include receiving, sending or storing instructions or data implemented in accordance with the foregoing description upon a computer-accessible medium. Accordingly, the present invention may be practiced with other computer system configurations.

[0068] It should be understood that the description and the drawings are not intended to limit the invention to the particular form disclosed, but to the contrary, the intention is to cover all modifications, equivalents, and alternatives falling within the spirit and scope of the present invention as defined by the appended claims. Further modifications and alternative embodiments of various aspects of the invention will be apparent to those skilled in the art in view of this description. Accordingly, this description and the drawings are to be construed as illustrative only and are for the purpose of teaching those skilled in the art the general manner of carrying out the invention. It is to be understood that the forms of the invention shown and described herein are to be taken as examples of embodiments. Elements and materials may be substituted for those illustrated and described herein, parts and processes may be reversed or omitted, and certain features of the invention may be utilized independently, all as would be apparent to one skilled in the art after having the benefit of this description of the invention. Changes may be made in the elements described herein without departing from the spirit and scope of the invention as described in the following claims. Headings used herein are for organizational purposes only and are not meant to be used to limit the scope of the description.

[0069] As used throughout this application, the word “may” is used in a permissive sense (i.e., meaning having the potential to), rather than the mandatory sense (i.e., meaning must). The words “include”, “including”, and “includes” and the like mean including, but not limited to. As used throughout this application, the singular forms “a”, “an” and “the” include plural referents unless the content explicitly indicates otherwise. Thus, for example, reference to “an element” or "a element" includes a combination of two or more elements, notwithstanding use of other terms and phrases for one or more elements, such as “one or more.” The term "or" is, unless indicated otherwise, non-exclusive, i.e., encompassing both "and" and "or." Terms describing conditional relationships, e.g., "in response to X, Y," "upon X, Y,", “if X, Y,” "when X, Y," and the like,

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encompass causal relationships in which the antecedent is a necessary causal condition, the antecedent is a sufficient causal condition, or the antecedent is a contributory causal condition of the consequent, e.g., "state X occurs upon condition Y obtaining" is generic to "X occurs solely upon Y" and "X occurs upon Y and Z." Such conditional relationships are not limited to consequences that instantly follow the antecedent obtaining, as some consequences may be delayed, and in conditional statements, antecedents are connected to their consequents, e.g., the antecedent is relevant to the likelihood of the consequent occurring. Further, unless otherwise indicated, statements that one value or action is "based on" another condition or value encompass both instances in which the condition or value is the sole factor and instances in which the condition or value is one factor among a plurality of factors. Unless specifically stated otherwise, as apparent from the discussion, it is appreciated that throughout this specification discussions utilizing terms such as "processing", "computing", "calculating", "determining" or the like refer to actions or processes of a specific apparatus, such as a special purpose computer or a similar special purpose electronic processing/computing device. In the context of this specification, a special purpose computer or a similar special purpose electronic processing or computing device is capable of manipulating or transforming signals, for instance signals represented as physical electronic, optical, or magnetic quantities within memories, registers, or other information storage devices, transmission devices, or display devices of the special purpose computer or similar special purpose processing or computing device.

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STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: SitePro, Inc.

Application No./Patent No.: Not yet assigned Filed/Issue Date: Filed herewith

Titled: REMOTE CONTROL OF FLUID-HANDLING DEVICES

SitePro, Inc., a corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☑ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

   ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

   ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. ☑ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Aaron Phillips To: AmpliSine Labs, LLC

   The document was recorded in the United States Patent and Trademark Office at

   Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: AmpliSine Labs, LLC To: SitePro, LLC

   The document was recorded in the United States Patent and Trademark Office at

   Reel _____, Frame _____, or for which a copy thereof is attached.

This collection of information is required by 37 CFR 3.73(b). 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 1.11 and 1.14. This collection is estimated to take 12 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, 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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STATEMENT UNDER 37 CFR 3.73(c)

3. From: SitePro, LLC To: SitePro, Inc.

The document was recorded in the United States Patent and Trademark Office at

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☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☑ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Joshua Tucker/	October 17, 2019
Signature	Date
Joshua Tucker	63809
Printed or Typed Name	Title or Registration Number

ASSIGNMENT

WHEREAS, Aaron Phillips, who resides 2806 87th St., Lubbock, TX 79423, (hereinafter referred to as "**ASSIGNOR**"), has made certain improvements or inventions in a United States patent application titled **REMOTE CONTROL OF FLUID-HANDLING DEVICES** ("US Patent Application"), and has executed the US patent application No 13/705,657 with the United States Patent and Trademark Office herewith and

WHEREAS, AmpliSine Labs, LLC, with a business address at 9502 HWY 87, Lubbock, TX 79423, (hereinafter referred to as "**ASSIGNEE**"), is desirous of acquiring the same.

NOW, THEREFORE, This Indenture Witnesseth: That for good and valuable consideration, receipt whereof is hereby acknowledged, said **ASSIGNOR** does hereby sell, assign, and transfer to said **ASSIGNEE**, its successors and assigns, all right, title, and interest in and to said US Patent Application set forth above, the invention or inventions therein shown and described and any improvements on said invention heretofore or hereafter made, any divisions, provisionals, non-provisionals, continuations, or continuations-in-part of said US Patent Application, and all patents, United States and foreign, to be granted upon any such applications or for the invention or inventions thereof, any reissues, reexaminations, continuations, continuations-in-part, or extensions of said patents, and all rights for past and present infringement related to any patents issued or to be issued thereon; and said **ASSIGNOR** does hereby authorize and request the Commissioner of Patents to issue all patents on said US Patent Application or for the invention or inventions hereof, in accordance with this assignment.

And said **ASSIGNOR** for said consideration hereby covenants and agrees that the said **ASSIGNOR** is the owner of the full title herein conveyed and has the right to convey the same, and agrees that said **ASSIGNOR** will communicate to said **ASSIGNEE** any facts known to said **ASSIGNOR** respecting said invention or inventions, and testify in any legal proceedings when called upon by said **ASSIGNEE**, sign all lawful papers deemed by said **ASSIGNEE** as expedient to vest in it the legal title herein sought to be conveyed or for the filing and

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prosecution of all applications and patents, United States and foreign, including any disclaimers related thereto, and otherwise aid said **ASSIGNEE**, its successors and assigns, in obtaining full patent protection on said invention and enforcing proper protection under said patents, but in every instance at the **ASSIGNEE'S** expense.

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EXECUTED THIS 6 day of December, 2012.

Aaron Phillips

#4211620.1

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Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Rolando B. Pablos
Secretary of State

Office of the Secretary of State

CERTIFICATE OF FILING
OF

SitePro, LLC
801189847

[formerly: AmpliSine Labs LLC]

The undersigned, as Secretary of State of Texas, hereby certifies that a Certificate of Amendment for the above named entity has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

Dated: 07/31/2018

Effective: 07/31/2018

Rolando B. Pablos
Secretary of State

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

David Whitley
Secretary of State

Office of the Secretary of State

December 31, 2018

CT Corporation System
701 Brazos, Ste. 720
Austin, TX 78701 USA

RE: SitePro, Inc.
File Number: [Entity not of Record, Filing Number Not Available]

It has been our pleasure to approve and place on record the filing instrument effecting a conversion. The appropriate evidence is attached for your files. Payment of the filing fee is acknowledged by this letter.

If we can be of further service at any time, please let us know.

Sincerely,

Corporations Section
Business & Public Filings Division
(512) 463-5555

Enclosure

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

David Whitley
Secretary of State

Office of the Secretary of State

CERTIFICATE OF CONVERSION

The undersigned, as Secretary of State of Texas, hereby certifies that a filing instrument for

SitePro, LLC
File Number: 801189847

Converting it to

SitePro, Inc.
File Number: [Entity not of Record, Filing Number Not Available]

has been received in this office and has been found to conform to law. ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing the acceptance and filing of the conversion on the date shown below.

Dated: 12/28/2018

Effective: 01/01/2019

David Whitley
Secretary of State

Form 636
(Revised 05/11)

Return in duplicate to:
Secretary of State
P.O. Box 13697
Austin, TX 78711-3697
512 463-5555
FAX: 512 463-5709

Filing Fee: See Instructions

Certificate of Conversion of a Limited Liability Company Converting to a Corporation

This space reserved for office use.

FILED
In the Office of the
Secretary of State of Texas

DEC 28 2018

Corporations Section

Converting Entity Information

The name of the converting limited liability company is:
SitePro, LLC

The jurisdiction of formation of the limited liability company is : Texas

The date of formation of the limited liability company is: November 4, 2009

The file number, if any, issued to the limited liability company by the secretary of state is: 801189847

Plan of Conversion—Alternative Statements

The limited liability company named above is converting to a: ☒ for-profit corporation ☐ professional corporation ☐ nonprofit corporation. The name of the corporation is:
SitePro, Inc.

The corporation will be formed under the laws of : Delaware

☐ The plan of conversion is attached.

If the plan of conversion is not attached, the following statements must be completed.

☒ Instead of attaching the plan of conversion, the limited liability company certifies to the following statements:

A signed plan of conversion is on file at the principal place of business of the limited liability company, the converting entity. The address of the principal place of business of the limited liability company is:

9502 HWY 87	Lubbock	TX	USA	79423
Street or Mailing Address	*City*	*State*	*Country*	*Zip Code*

A signed plan of conversion will be on file after the conversion at the principal place of business of the corporation, the converted entity. The address of the principal place of business of the corporation is:

9502 HWY 87	Lubbock	TX	USA	79423
Street or Mailing Address	*City*	*State*	*Country*	*Zip Code*

A copy of the plan of conversion will be furnished on written request without cost by the converting

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entity before the conversion or by the converted entity after the conversion to any owner or member of the converting or converted entity.

Certificate of Formation for the Converted Entity

☐ The converted entity is a Texas corporation. The certificate of formation of the Texas corporation is attached to this certificate either as an attachment or exhibit to the plan of conversion, or as an attachment or exhibit to this certificate of conversion if the plan has not been attached to the certificate of conversion.

Approval of the Plan of Conversion

The plan of conversion has been approved as required by the laws of the jurisdiction of formation and the governing documents of the converting entity.

Effectiveness of Filing (Select either A, B, or C.)

A. ☐ This document becomes effective when the document is accepted and filed by the secretary of state.

B. ☒ This document becomes effective at a later date, which is not more than ninety (90) days from the date of signing. The delayed effective date is: January 1, 2019

C. ☐ This document takes effect upon the occurrence of the future event or fact, other than the passage of time. The 90th day after the date of signing is: _____

The following event or fact will cause the document to take effect in the manner described below:

_____

_____

Tax Certificate

☐ Attached hereto is a certificate from the comptroller of public accounts that all taxes under title 2, Tax Code, have been paid by the limited liability company.

☒ In lieu of providing the tax certificate, the corporation as the converted entity is liable for the payment of any franchise taxes.

Execution

The undersigned signs this document subject to the penalties imposed by law for the submission of a materially false or fraudulent instrument.

Date: December 27, 2018

David Bateman, Co-Chief Executive Officer

Signature and title of authorized person on behalf of the converting entity

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IPR2024-00737-U.S. Patent No. 11,175,680

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CORRECTION OF "SITEPRO, INC.", FILED IN THIS OFFICE ON THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2018, AT 5:08 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

Jeffrey W. Bullock, Secretary of State

7214746 8100
SR# 20188452500

Authentication: 202012448
Date: 01-03-19

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 05:08 PM 12/31/2018
FILED 05:08 PM 12/31/2018
SR 20188452500 - File Number 7214746

STATE OF DELAWARE
CERTIFICATE OF CORRECTION

SITEPRO, INC., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware.

DOES HEREBY CERTIFY:

1. The name of the corporation is SITEPRO, INC.
2. That a Certificate of FORMATION
   (Title of Certificate Being Corrected)
   was filed by the Secretary of State of Delaware on 12/28/2018 and that said Certificate requires correction as permitted by Section 103 of the General Corporation Law of the State of Delaware.
3. The inaccuracy or defect of said Certificate is: (must be specific)

   No effective date included in the Articles due to clerical error.

4. Article XIII of the Certificate is added to read as follows:

   Pursuant to Section 103(d) of the Delaware General Corporation Law, the foregoing Certificate of Conversion shall be effective on January 1, 2019.

IN WITNESS WHEREOF, said corporation has caused this Certificate of Correction this 31 day of DECEMBER, A.D. 2018.

By: /s/ David Bateman
Authorized Officer
Name: David Bateman
Print or Type
Title: Authorized Person

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IPR2024-00737-U.S. Patent No. 11,175,680

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CORRECTION OF "SITEPRO, INC.", FILED IN THIS OFFICE ON THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2018, AT 4:40 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

Jeffrey W. Bullock, Secretary of State

7214746 8100
SR# 20188451623

Authentication: 202012454
Date: 01-03-19

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 04:40 PM 12/31/2018
FILED 04:40 PM 12/31/2018
SR 20188451623 - File Number 7214746

STATE OF DELAWARE
CERTIFICATE OF CORRECTION

SITEPRO, INC., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware.

DOES HEREBY CERTIFY:

1. The name of the corporation is SITEPRO, INC.
2. That a Certificate of CONVERSION
   (Title of Certificate Being Corrected)
   was filed by the Secretary of State of Delaware on 12/28/2018
   and that said Certificate requires correction as permitted by Section 103 of the General Corporation Law of the State of Delaware.
3. The inaccuracy or defect of said Certificate is: (must be specific)

   No effective date inlcuded due to clerical error.

4. Article _____ of the Certificate is corrected to read as follows:

   Pursuant to Section 103(d) of the Delaware General Corporation Law, the foregoing Certificate of Conversion shall be effective on January 1, 2019.

IN WITNESS WHEREOF, said corporation has caused this Certificate of Correction this 31 day of DECEMBER, A.D. 2018.

By: /s/ David Bateman
Authorized Officer

Name: David Bateman
Print or Type

Title: Authorized Person

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SitePro, Inc. v. WaterBridge Resources, LLC, et al
IPR2024-00737-U.S. Patent No. 11,175,680

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	Not yet assigned
Filing Date	Filed herewith
First Named Inventor	Aaron Phillips
Title	REMOTE CONTROL OF FLUID-HANDLING DEVICES
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	034392-0508266

SIGNATURE of Applicant or Patent Practitioner

Signature	/Joshua Tucker/	Date (Optional)	
Name	Joshua Tucker	Registration Number	63809
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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, 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/82 (07-17)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

[X] Practitioners associated with Customer Number: 00909

OR

[ ] Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

[X] The address associated with Customer Number: 00909

OR

[ ]

Firm or individual name		
Address		
City	State	Zip
Country		
Telephone	Email	

Assignee name and address: SITEPRO, INC.
3502 HIGHWAY 87
LUBBOCK, TEXAS 79423

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature DLB	Date 5-6-19
Name David Bateman	Telephone 806 687-5226
Title Co-CEO & Board Member	

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 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, 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/01 (06-12)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 14147190

filed on 03-JAN-2014.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Aaron Phillips Date (Optional) :

Signature:

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1.11 and 1.14. This collection is estimated to take 1 minute 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.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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. 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:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
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.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
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.

Electronic Acknowledgement Receipt

EFS ID:	37485925
Application Number:	16656319
International Application Number:	
Confirmation Number:	2059
Title of Invention:	REMOTE CONTROL OF FLUID-HANDLING DEVICES
First Named Inventor/Applicant Name:	Aaron Phillips
Customer Number:	909
Filer:	Joshua L. Tucker/Amanda Childs
Filer Authorized By:	Joshua L. Tucker
Attorney Docket Number:	034392-0508266
Receipt Date:	17-OCT-2019
Filing Date:	
Time Stamp:	17:55:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	WebADS.pdf	127549 f29a274c50d62b2871e8b5a57c86648f310dee41	no	8

Warnings:

Information:					
2	Oath or Declaration filed	034392-0508266-Dec.pdf	1956751 fc438430afda6ea36c26c509ad5bc63a5f0a202d	no	2
Warnings:					
Information:					
3		034392-0508266-POA.pdf	7989094 5ea3224d0b2fa89dfa507046e56c553f248e0c0a	yes	16

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Assignee showing of ownership per 37 CFR 3.73	3	16
Power of Attorney	1	2

Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Form (SB08)	No_dup_IDS_for_cons.pdf	192310 fc65f478f546d7ee81b4fe407ec5ac423be6a385	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
5		034392_0508266_Application.pdf	197372 f01fe69dfb62d5251c8e4c4dcf5c954033eafdb1	yes	28

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Abstract	28	28
Claims	24	27
Specification	1	23

Warnings:	
Information:	

6	Drawings-only black and white line drawings	034392-0508266-Drawings.pdf	332090 2d04868e8f92d28c4f351f9aa8c226d3b6ee6af4	no	3
Warnings:					
Information:					
			Total Files Size (in bytes):	10795166	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

STATEMENT REGARDING IDS PRACTICE

Because the present application is a continuation patent application, Applicants are electing to not burden the Office with duplicate information disclosure statements to re-cite references considered with respect to the parent application. Applicants have chosen this course in view of the Manual of Patent Examination and Procedure[1] (MPEP) 609.02, which states as follows:

> When filing a continuing application that claims benefit under 35 U.S.C. 120 to a parent application (other than an international application that designated the U.S.), it will not be necessary for the applicant to submit an information disclosure statement in the continuing application that lists the prior art cited by the examiner in the parent application unless the applicant desires the information to be printed on the patent issuing from the continuing application (for continued prosecution applications filed under 37 CFR 1.53(d), see subsection A.1. below). The examiner of the continuing application will consider information which has been considered by the Office in the parent application.
>
> ...
>
> The examiner will consider information which has been considered by the Office in a parent application when examining: (A) a continuation application filed under 37 CFR 1.53(b), (B) a divisional application filed under 37 CFR 1.53(b), or (C) a continuation-in-part application filed under 37 CFR 1.53(b). A listing of the information need not be resubmitted in the continuing application unless the applicant desires the information to be printed on the patent.

Applicants understanding is that the Examiner will consider the references listed on the face of (or otherwise indicated as being considered against) parent applications.

Moreover, to avoid later mischaracterizations of the examination process by accused infringers before judges or juries less familiar with the intricacies of the MPEP, Applicants wish to note on the record that, as a result of this practice of the U.S. Patent Office, the face of a patent issuing from the present application will not necessarily contain a full list of references considered. One must also review the file history of the parent applications to ascertain the full corpus of references considered against the present application.

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[1] The forward to the MPEP states as follows: "This Manual is published to provide U.S. Patent and Trademark Office (USPTO) patent examiners, applicants, attorneys, agents, and representatives of applicants with a reference work on the practices and procedures relative to the prosecution of patent applications before the USPTO. It contains instructions to examiners, as well as other material in the nature of information and interpretation, and outlines the current procedures which the examiners are required or authorized to follow in appropriate cases in the normal examination of a patent application."

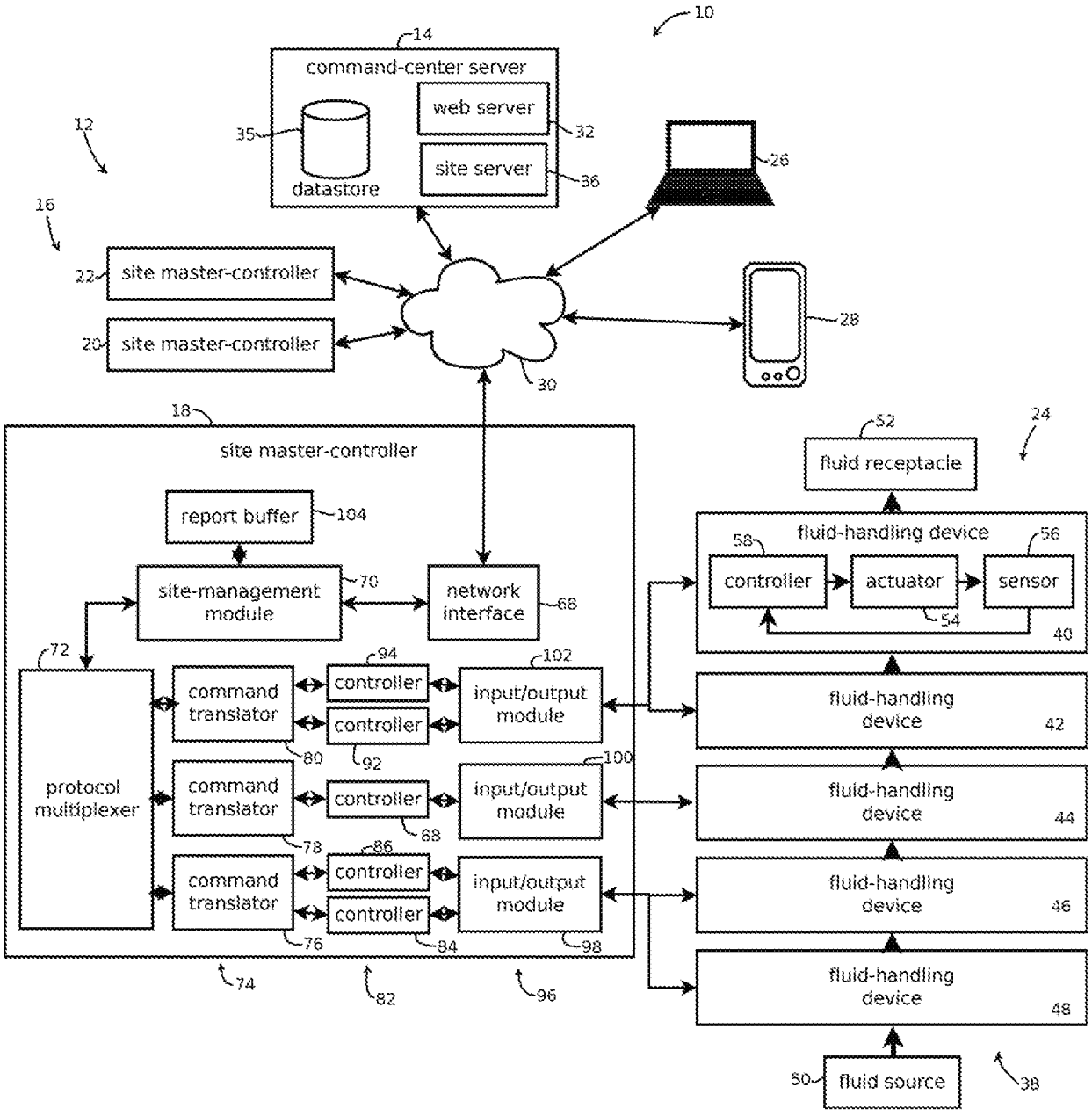

10
14
command-center server
web server
32
35
datastore
site server
36
12
26
16
22
site master-controller
20
site master-controller
28
30
18
site master-controller
report buffer
104
site-management module
70
network interface
68
72
protocol multiplexer
command translator
80
command translator
78
command translator
76
94
controller
controller
92
controller
88
controller
86
controller
84
102
input/output module
100
input/output module
98
74
82
96
24
52
fluid receptacle
fluid-handling device
58
56
controller
actuator
sensor
54
40
fluid-handling device
42
fluid-handling device
44
fluid-handling device
46
fluid-handling device
48
50
fluid source
38

FIG. 1

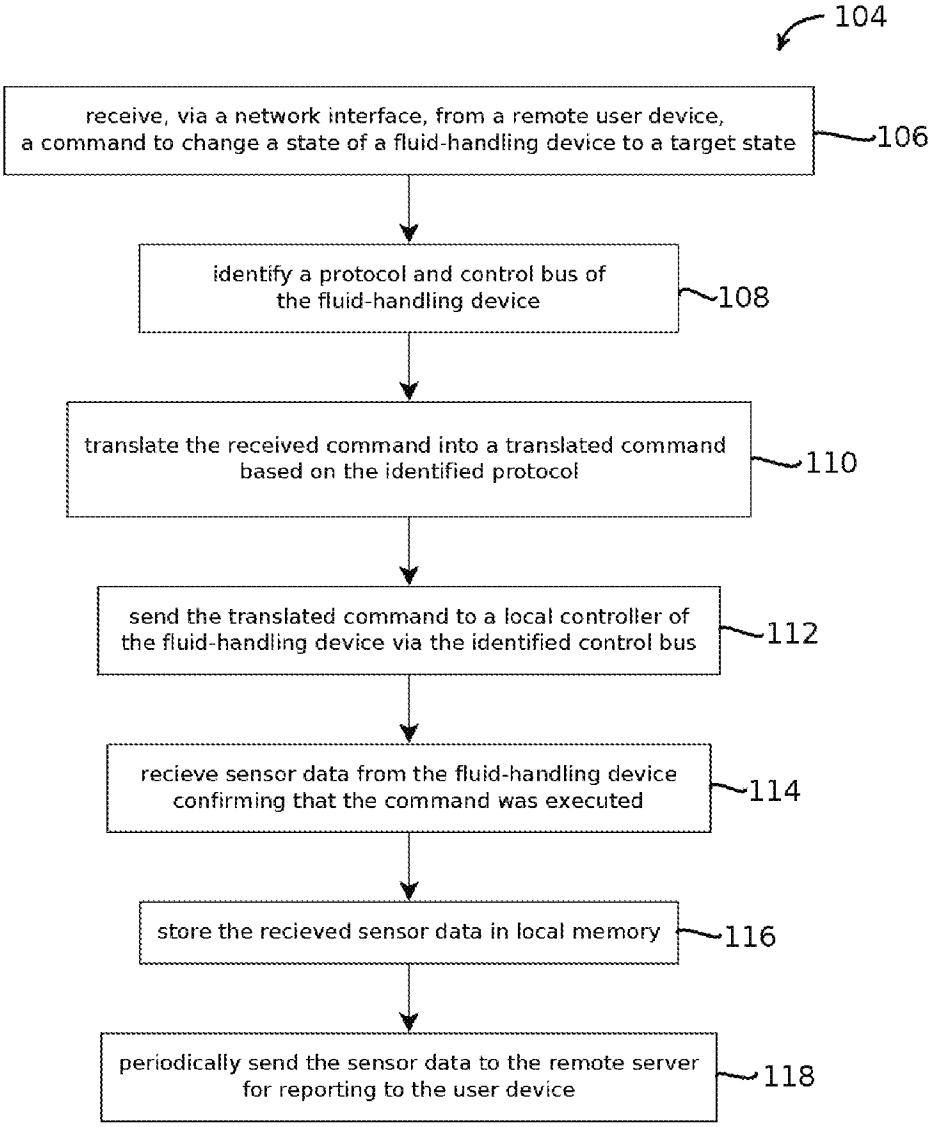

104
receive, via a network interface, from a remote user device, a command to change a state of a fluid-handling device to a target state
106
identify a protocol and control bus of the fluid-handling device
108
translate the received command into a translated command based on the identified protocol
110
send the translated command to a local controller of the fluid-handling device via the identified control bus
112
recieve sensor data from the fluid-handling device confirming that the command was executed
114
store the recieved sensor data in local memory
116
periodically send the sensor data to the remote server for reporting to the user device
118

FIG. 2

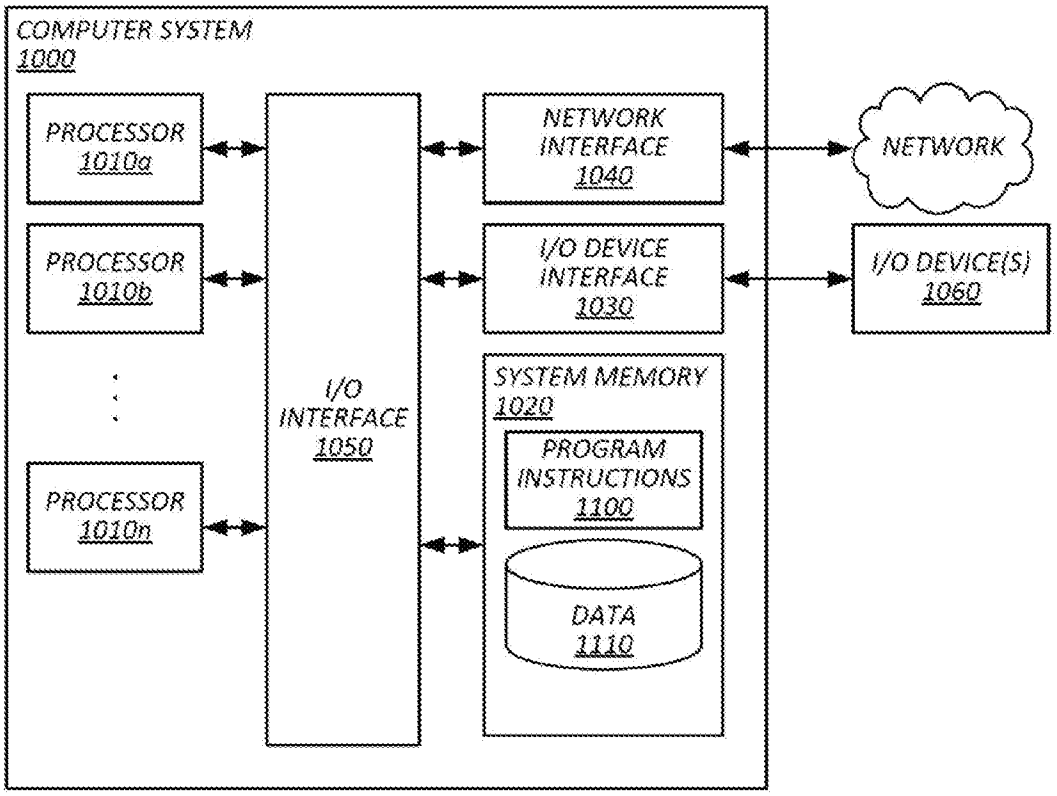

COMPUTER SYSTEM
1000
PROCESSOR
1010a
PROCESSOR
1010b
PROCESSOR
1010n
I/O
INTERFACE
1050
NETWORK
INTERFACE
1040
I/O DEVICE
INTERFACE
1030
SYSTEM MEMORY
1020
PROGRAM
INSTRUCTIONS
1100
DATA
1110
NETWORK
I/O DEVICE(S)
1060

FIG. 3

CLAIMS

What is claimed is:

1. A hosted, web-based, remote industrial monitoring and control system for geographically distributed facilities in oil and gas fields, the system comprising:

a computer-implemented datastore storing:

a plurality of accounts, each account corresponding to an entity operating one or more geographically distributed oil or gas facilities, the accounts associating different oil or gas facilities with different entities; and

network addresses by which industrial monitoring or control equipment at the facilities is accessible via cellular network connections, the monitoring or control equipment including sensors or actuators;

a computer-implemented facility-interface module or modules configured to obtain data from the sensors at the facilities and send commands to the actuators at the facilities via the cellular network connections; and

a computer-implemented web-interface module or modules configured to send instructions to present control interfaces in web browsers executing on user computing devices logged in to the accounts and to receive commands to control actuators from the user computing devices,

wherein the system is configured to receive, with the web-interface module or modules, a user command to actuate an actuator entered via a presented control interface, identify a network address in the datastore corresponding to a facility at which the actuator is located, and send instructions with the facility-interface module or modules to the facility to actuate the actuator.

2. The system of claim 1, wherein the sensors include a tank level sensor of a tank at one of the facilities, and wherein the datastore includes a record associating the tank with the facility, data from the tank being unavailable to users without an account associated with the tank.

3. The system of claim 1, wherein the sensors include a level sensor of an oil/water separation tank at one of the facilities configured to indicate a level at which oil meets water, and wherein the datastore includes a record associating the tank with the facility.

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4. The system of claim 1, wherein the sensors include a leak detector at one of the facilities, and wherein the datastore includes a record associating the leak detector with the facility.

5. The system of claim 1, wherein:

the web-interface module or modules comprises a web server; and

the facility-interface module or modules comprises a site server distinct from the web server.

6. The system of claim 5, wherein:

the web server communicates with user devices via a first network port of a computing device executing the web server; and

the site server communicates with facilities via a second network port of the computing device, the second network port being different from the first network port.

7. The system of claim 1, wherein:

the data store stores subscription information associated with at least some of the accounts.

8. The system of claim 1, wherein the facility-interface module or modules comprise:

means for interfacing with a plurality of site controllers associated with the facilities.

9. The system of claim 1, wherein the web-interface module or modules comprise:

means for sending instructions to present a control interface on the user devices.

10. The system of claim 1, wherein the datastore stores accounts for more than one hundred facilities, and the web-interface module or modules are configured interface with more than one hundred user devices.

11. The system of claim 1, wherein the facility-interface module or modules are configured to send pull requests to facilities to retrieve data buffered at the facilities.

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12. The system of claim 1, comprising:

a controller at one of the facilities communicatively coupled to an actuator or a sensor.

13. The system of claim 12, comprising at least four of the following as distinct threads from one another:

a thread configured to sends and receive data requests;

a thread configured to synchronize other threads with updated information;

a thread configured to set a target state of actuators;

a thread configured to obtain updated sensor readings;

a thread configured to process user interactions; and

a thread that eliminates other threads upon detecting a problem with the eliminated threads.

14. The system of claim 12, comprising at least two of the following as distinct threads from one another:

a thread configured to sends or receive data request;

a thread configured to synchronize other threads with updated information;

a thread configured to set a target state of actuators;

a thread configured to obtain updated sensor readings;

a thread configured to process user interactions; and

a thread that eliminates other threads upon detecting a problem with the eliminated threads.

15. The system of claim 12, wherein the controller is communicatively coupled to the actuator or sensor via a private local area network.

16. The system of claim 12, wherein controller is communicatively coupled to the actuator or sensor via a frame-based carrier-sense multiple access protocol with collision detection.

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17. The system of claim 12, wherein controller is configured to periodically push buffered data to the facility-interface module or modules.

18. The system of claim 12, comprising:

means for ensuring at least some data is not lost if network access ceases intermittently.

19. The system of claim 12, comprising:

means for translating a command for an actuator from an input format to a format configured to effectuate changes in the actuator.

20. The system of claim 19, comprising:

means for executing control routines implicated by translated commands on an individual actuator or sensor.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	034392-0508266
	Application Number	
Title of Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Aaron		Phillips	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Lubbock	State/Province	TX	Country of Residence i	US

Mailing Address of Inventor:

Address 1	9502 Highway 87		
Address 2			
City	Lubbock	State/Province	TX
Postal Code	79423	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	909		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES		
Attorney Docket Number	034392-0508266	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	3	Suggested Figure for Publication (if any)	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	034392-0508266
	Application Number	
Title of Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	00909		

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					Remove
Registration Number					
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	034392-0508266
	Application Number	
Title of Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES	

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove

Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	15867077	2018-01-10

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15867077	Continuation of	14984422	2015-12-30	9898014	2018-02-20

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14984422	Continuation of	14147190	2014-01-03	9342078	2016-05-17

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14147190	Continuation of	13708557	2012-12-07	8649909	2014-02-11

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	034392-0508266
	Application Number	
Title of Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES	

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	034392-0508266
	Application Number	
Title of Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	034392-0508266
	Application Number	
Title of Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	SitePro, Inc.		
Mailing Address Information For Applicant:			
Address 1	9502 Highway 87		
Address 2			
City	Lubbock	**State/Province**	TX
Country[i]	US	Postal Code	79423
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	034392-0508266
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Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	034392-0508266
	Application Number	
Title of Invention	REMOTE CONTROL OF FLUID-HANDLING DEVICES	

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e. g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Joshua Tucker/			Date (YYYY-MM-DD)	
First Name	Joshua	Last Name	Tucker	Registration Number	63809

Additional Signature may be generated within this form by selecting the Add button.

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ABSTRACT

[0070] Provided is a process, including: receiving, via the network interface, from a remote user device, a command to change a state of the fluid-handling device to a target state; translating the received command into a translated command operative to cause a local controller of the fluid-handling device to drive the fluid-handling equipment to the target state, the local controller being responsive to the command and feedback from the fluid-handling device indicative of whether the fluid-handling device is in the target state; and sending the translated command to the local controller

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