

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6214053

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LUFKIN INDUSTRIES, LLC	06/30/2020
BAKER HUGHES HOLDINGS LLC FKA BAKER HUGHES, A GE COMPANY, LLC FKA BAKER HUGHES INCORPORATED	06/30/2020
BAKER HUGHES OILFIELD OPERATIONS, LLC	06/30/2020
QUINN PUMPS CANADA LTD.	06/30/2020
RECEIVING PARTY DATA	
Name:	RAVDOS HOLDINGS INC.
Street Address:	485 LEXINGTON AVENUE
Internal Address:	31ST FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10017
PROPERTY NUMBERS Total: 36	
Property Type	Number
Application Number:	14965484
Application Number:	15424452
Application Number:	14945163
Application Number:	15099342
Application Number:	15666526
Application Number:	15408335
Application Number:	16105236
Application Number:	16019357
Application Number:	16155403
Application Number:	14443878
Application Number:	16748750
Application Number:	16792023
Application Number:	15881533
Application Number:	14575819
Application Number:	16820684
Patent Number:	6857474

PATENT

Property Type	Number
Patent Number:	7212923
Patent Number:	7547196
Patent Number:	8036829
Patent Number:	8433516
Patent Number:	7762321
Patent Number:	8240221
Patent Number:	9115574
Patent Number:	10422205
Patent Number:	9617837
Patent Number:	10024314
Patent Number:	10590725
Patent Number:	8849594
Patent Number:	9915257
Patent Number:	7870900
Patent Number:	7255163
Patent Number:	9605670
Patent Number:	7927083
Patent Number:	7874367
Patent Number:	8235107
Patent Number:	8678082

CORRESPONDENCE DATA

Fax Number: (412)209-1845

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: DENTONS COHEN & GRIGSBY P.C.

Address Line 1: 625 LIBERTY AVENUE

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ATTORNEY DOCKET NUMBER: 032880.0001

NAME OF SUBMITTER: LISA E. GEARY

SIGNATURE: /lisa e. geary/

DATE SIGNED: 07/22/2020

Total Attachments: 18

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PATENT ASSIGNMENT

This **PATENT ASSIGNMENT** (this “Agreement”), dated as of June 30, 2020, (“Effective Date”) is made and entered into by and between Lufkin Industries, LLC, a Texas limited liability company, Baker Hughes Holdings LLC (f/k/a Baker Hughes, A GE Company, LLC, f/k/a Baker Hughes Incorporated), a Delaware limited liability company, Baker Hughes Oilfield Operations, LLC, a California limited liability company, and Quinn Pumps Canada Ltd., an Alberta corporation (successor-in-interest to Pentagon Optimization Services Inc. and Gresco Energy Services Inc.) (each an “Assignor” and, collectively, “Assignors”), and Ravdos Holdings Inc., a Delaware corporation (“Assignee”) (collectively referred to as the “Parties”).

WHEREAS, Baker Hughes Holdings LLC and Ravdos Parent Inc. (“Buyer”) entered into an Asset Purchase Agreement, dated April 30, 2020 (“Purchase Agreement”); and

WHEREAS, pursuant to that certain Assignment and Assumption Agreement, dated as of June 29, 2020, by and among Buyer, Assignee and certain other Affiliates of Buyer, Buyer assigned to Assignee its rights under the Purchase Agreement to acquire certain intellectual property, including the Patents (as defined below); and

WHEREAS, pursuant to the Purchase Agreement, each Assignor shall assign to Assignee, and Assignee shall acquire from each Assignor, all of such Assignor’s right, title and interest in, to and under the patents and patent applications identified on Schedule A hereof, and any continuations, divisionals, continuations-in-part, reissuances, reexaminations, extensions or foreign equivalents thereof, and the subject matter of all claims recited therein (collectively, the “Patents”); and

WHEREAS, the Parties wish to record the acquisition of such Patents in the United States Patent and Trademark Office (the “USPTO”) and the corresponding agencies in any other applicable countries as required; and

WHEREAS, each Assignor agrees that it will execute or arrange for execution of such further assignment documents or other legal instruments as may be required, if any, from such Assignor to permit Assignee to obtain recordation of the assignment of the Patents from Assignor to Assignee.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereby agree as follows:

Each Assignor does hereby sell, assign and transfer to Assignee, effective as of the Effective Date, all of such Assignor’s right, title and interest in and to the Patents (including the right to derive priority from the Patents), for the United States and for all other countries, including, without limitation, all corresponding rights that are or may be secured under the laws of the United States or any other country or under international conventions and treaties, now or hereafter in effect, the same to be held and enjoyed by Assignee for its own use and benefit and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which the Patents are granted, reexamined, or reissued, as fully and entirely as would have been

held and enjoyed by such Assignor if this assignment had not been made as well as all causes of action (either in law or in equity) related thereto, and the right to sue, counterclaim, and recover damages for past, present or future infringement or other unauthorized use of the Patents.

Each Assignor hereby authorizes the USPTO and any other applicable governmental officials in any applicable jurisdiction to record this Patent Assignment upon request by Assignee. Each Assignor will take such steps and actions following the Effective Date, including the execution of any documents, files, registrations, or other similar items, as requested by Assignee and at Assignee's expense, to ensure that the Patents are properly assigned to Assignee.

This Patent Assignment may be executed simultaneously in any number of counterparts (which may be by electronic transmission), each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument.

This Patent Assignment is subject to all the terms and conditions of the Purchase Agreement, which is incorporated by reference as if fully set forth herein. The Parties intend that this Patent Assignment is for recordation purposes only and its terms shall not modify and shall be subject to the applicable terms and conditions of the Purchase Agreement, which govern the Parties' rights and interests in the Patents. To the extent that any provision of this Patent Assignment conflicts or is inconsistent with the terms of the Purchase Agreement, the Purchase Agreement will govern.

This Patent Assignment and any dispute arising out of or related to or in connection with this Patent Assignment shall be governed by, and construed in accordance with, the laws of the State of New York, regardless of the laws that might otherwise govern under applicable principles of conflicts of laws thereof.

[Signature pages follow]

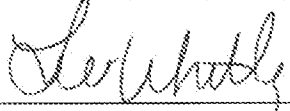
IN WITNESS WHEREOF, the Parties have duly executed this Patent Assignment as of the date first set forth above.

ASSIGNORS

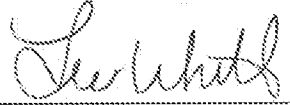
LUFKIN INDUSTRIES, LLC

By: 
Name: Lee Whitley
Title: VP and Secretary

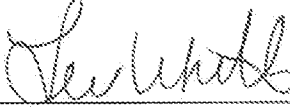
BAKER HUGHES HOLDINGS LLC

By: 
Name: Lee Whitley
Title: VP and Corporate Secretary

BAKER HUGHES OILFIELD OPERATIONS LLC

By: 
Name: Lee Whitley
Title: VP and Secretary

QUINN PUMPS CANADA LTD.

By: 
Name: Lee Whitley
Title: VP and Secretary

[Signature Page to Patent Assignment]

ASSIGNEE

RAVDOS HOLDINGS INC.

By: Ryan Baker
Name: Ryan Baker
Title: President

[Signature Page to Patent Assignment]

SCHEDULE A
Patents

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Methods, Apparatus And Products Useful In The Operation Of A Sucker Rod Pump During The Production Of Hydrocarbons	Canada	2002-09-13	2403060	2008-02-19	2403060	Lufkin Industries LLC
Methods, Apparatus And Products Useful In The Operation Of A Sucker Rod Pump During The Production Of Hydrocarbons	United States of America	2001-10-02	09/970041	2005-02-22	6857474	Lufkin Industries LLC
Inferred Production Rates Of A Rod Pumped Well From Surface And Pump Card Information	Canada	2005-09-09	2518731	2009-05-26	2518731	Lufkin Industries LLC
Inferred Production Rates Of A Rod Pumped Well From Surface And Pump Card Information	United States of America	2005-01-05	10/940273	2007-05-01	7212923	Lufkin Industries LLC
Method And Apparatus For Mitigating Rod Float In Rod Pumped Wells	Canada	2005-09-16	2580626	2013-01-15	2580626	Lufkin Industries LLC
Method And Apparatus For Mitigating Rod Float In Rod Pumped Wells	United States of America	2005-09-16	11/228109	2009-06-16	7547196	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	United States of America	2008-10-31	12/290477	2011-10-11	8036829	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Australia	2009-10-27	2009308931	2014-06-19	2009308931	Lufkin Industries LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Brazil	2009-10-27	PI0916085-0	12/03/19	PI0916085-0	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Canada	2009-10-27	2742270	2016-11-08	2742270	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Germany (Federal Republic of)	2009-10-27	EP0982406 4.1	2018-10-10	EP2344768	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	United Kingdom	2009-10-27	EP0982406 4.1	2018-10-10	EP2344768	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Indonesia	2009-10-27	W-OO 2011 01880	2013-09-06	IDP000034 449	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Mexico	2009-10-27	MX/a/2011 /004640	2015-05-07	329903	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Netherlands	2009-10-27	09824064. 1	2018-10-10	2344768	Lufkin Industries LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Norway	2009-10-27	09824064.1	2018-10-10	2344768	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	Russian Federation	2009-10-27	2011121884	2015-07-20	2556781	Lufkin Industries LLC
Apparatus For Analysis And Control Of A Reciprocating Pump System By Determination Of A Pump Card	United States of America	2011-07-01	13/175431	2013-04-30	8433516	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Australia	2007-02-01	2007211013	2013-01-17	2007211013	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Brazil	2007-02-01	PI0707678-9	11/19/19	PI0707678-9	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Canada	2007-02-01	2677178	2014-12-16	2677178	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	China	2007-02-01	200780012468.0	2012-10-10	ZL200780012468.0	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Germany (Federal Republic of)	2007-02-01	EP07762658.8	2018-06-13	EP1982072	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Eurasian Patent Convention	2007-02-01	200801792	2011-08-30	015467	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	United Kingdom	2007-02-01	07762658.8	2018-06-13	1982072	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Kazakhstan	2007-02-01	200801792	2011-08-30	015467	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Mexico	2007-02-01	MX/A/2008/009927	2012-09-24	303654	Lufkin Industries LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Hydraulic Oil Well Pumping Apparatus	Mexico	2007-02-01	MX/a/2012/007652	2014-11-25	325620	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Netherlands	2007-02-01	07762658.8	2018-06-13	1982072	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	New Zealand	2007-02-01	570978	2011-11-07	570978	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Russian Federation	2007-02-01	200801792	2011-08-30	015467	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	Singapore	2007-02-01	200805716-8	2011-04-15	144682	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	United States of America	2007-02-01	11/670,239	2010-07-27	7,762,321	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	United States of America	2010-07-23	12/842423	2012-08-07	8235107	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	United States of America	2012-08-07	13/568874	2014-03-25	8678082	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	South Africa	2007-02-01	2008/07498	2009-12-30	2008/07498	Lufkin Industries LLC
Beam pumping unit for inclined wellhead	Canada	2011-08-09	2815051	2018-09-04	2,815,051	Lufkin Industries LLC
Beam Pumping Unit for Inclined Wellhead	China	2011-08-09	201180048651.2	2017-11-07	103154658	Lufkin Industries LLC
Beam Pumping Unit for Inclined Wellhead	Eurasian Patent Convention	2011-08-09	201300227			Lufkin Industries LLC
Beam pumping unit for inclined wellhead	European Patent	2011-08-09	11816914.3	2020-01-01	EP2603763	Lufkin Industries LLC
Beam pumping unit for inclined wellhead	United Kingdom	2011-08-09	11816914.3	2020-01-01	EP2603763	Lufkin Industries LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Beam pumping unit for inclined wellhead	Norway	2011-08-09	11816914.3	2020-01-01	EP2603763	Lufkin Industries LLC
Beam pumping unit for inclined wellhead	United States of America	2010-08-09	12/853211	2012-08-14	8240221	Lufkin Industries LLC
Downhole pump	Canada	2005-10-07	2522972	2011-07-19	2522972	Quinn Pumps Canada Ltd.
Downhole pump	United States of America	2004-10-07	10/959166	2011-04-19	7927083	Quinn Pumps Canada Ltd.
Low Clearance Downhole Pump	Canada	2008-05-15	2631417	2014-04-08	2631417	Quinn Pumps Canada Ltd.
Low Clearance Downhole Pump	United States of America	2008-05-15	12/121607	2011-01-25	7874367	Quinn Pumps Canada Ltd.
Plunger Lubricator Housing	Canada	2008-06-12	2635993	2011-10-11	2635993	Quinn Pumps Canada Ltd.
Linear Rod Pumping Unit With Pneumatic Counterbalance For The Active Control Of The Rod String	Brazil	2012-11-08	112014010 986-9			Lufkin Industries LLC
Low Profile Rod Pumping Unit With Pneumatic Counterbalance For The Active Control Of The Rod String	Canada	2012-11-08	2854557	2020-06-02	2854557	Lufkin Industries LLC
Linear Rod Pumping Unit With Pneumatic Counterbalance For The Active Control Of The Rod String	China	2012-11-08	201280060 583.6	2018-01-02	104136778	Lufkin Industries LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Low Profile Pumping Unit With Pneumatic Counterbalance For The Active Control Of The Rod String	European Patent	2012-11-08	12829196.0	2020-01-22	EP2776715	Lufkin Industries LLC
Linear Rod Pumping Unit With Pneumatic Counterbalance	United Kingdom	2012-11-08 (national /acutal file date 2020-03-23)	12829196.0	01/13/2020	2776715	Lufkin Industries LLC
Linear Rod Pumping Unit With Pneumatic Counterbalance	Italy	2012-11-08 (national /acutal file date 2020-04-02)	12829196.0	01/13/2020	2776715	Lufkin Industries LLC
Linear Rod Pumping Unit With Pneumatic Counterbalance	Norway	2012-11-08 (national /acutal file date 2020-04-01)	12829196.0	01/13/2020	2776715	Lufkin Industries LLC
Linear Rod Pumping Unit With Pneumatic Counterbalance	Romania	2012-11-08 (national /acutal file date 2020-04-06)	12829196.0	01/13/2020	2776715	Lufkin Industries LLC
Linear Rod Pumping Unit With Pneumatic Counterbalance	United States of America	2012-11-08	13/672642	2015-08-25	9115574	Lufkin Industries LLC
Low Profile Rod Pumping Unit With Pneumatic Counterbalance For The Active Control Of The Rod String	United States of America	2015-08-24	14/833,258	2019-09-24	10,422,205	Lufkin Industries LLC
Real-Time Pump Diagnostic Algorithms And Application Thereof	Canada	2013-11-19	2,891,575			Lufkin Industries LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Real-Time Pump Diagnostic Algorithms And	China	2013-11-19	201380060375.0			Lufkin Industries LLC
Near Real-Time Pump Card Algorithms And Application Thereof	Germany (Federal Republic of)	2013-11-19 (national /actual 2020-04-13)	17202438.2	2020-02-12	602013065873.0	Lufkin Industries LLC
Real-Time Pump Card Algorithms And Application Thereof	Germany (Federal Republic of)	2013-11-19	EP13811650.4	2018-07-11	2920466	Lufkin Industries LLC
Real-Time Pump Card Algorithms And Application Thereof	European Patent	2013-11-19	17202438.2	2020-02-12	EP3315775	Lufkin Industries LLC
Near Real-Time Pump Card Algorithms And Application Thereof	United Kingdom	2013-11-19 (national /actual 2020-04-13)	17202438.2	2020-02-12	3315775	Lufkin Industries LLC
Near Real-Time Pump Card Algorithms And Application Thereof	United Kingdom	2013-11-19	13811650.4	2018-07-11	2920466	Lufkin Industries LLC
Near Real-Time Pump Card Algorithms And Application Thereof	Netherlands	2013-11-19	13811650.4	2018-07-11	2920466	Lufkin Industries LLC
Near Real-Time Pump Card Algorithms And Application Thereof	Netherlands	2013-11-19 (national /actual 2020-04-27)	17202438.2	2020-02-12	3315775	Lufkin Industries LLC
Near Real-Time Pump Card Algorithms And Application Thereof	Norway	2013-11-19	13811650.4	2018-07-11	2920466	Lufkin Industries LLC
Near Real-Time Pump Card Algorithms And Application Thereof	Norway	2013-11-19 (national /actual 2020-04-20)	17202438.2	2020-02-12	3315775	Lufkin Industries LLC
Hydraulic Oil Well Pumping Apparatus	United States of America	2014-01-14	14/154798	2017-04-11	9617837	Lufkin Industries LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Control System And Method Of Controlling A Rod Pumping Unit	Canada	2016-07-28	2937265			Baker Hughes Holdings LLC
Control System And Method Of Controlling A Rod Pumping Unit	Mexico	2016-07-29	MX/A/2016/009983			Baker Hughes Holdings LLC
Control System And Method Of Controlling A Rod Pumping Unit	United States of America	2015-07-30	14/814226	2018-07-17	10024314	Baker Hughes Oilfield Operations, LLC
Controller For A Rod Pumping Unit And Method Of Operation	Canada	2016-12-09	3006978			Baker Hughes Holdings LLC
Controller For A Rod Pumping Unit And Method Of Operation	Egypt	2016-12-09	PCT876/2018			Baker Hughes Holdings LLC
Controller For A Rod Pumping Unit And Method Of Operation	Indonesia	2016-12-09	PID201803831			Baker Hughes Holdings LLC
Controller For A Rod Pumping Unit And Method Of Operation	India	2016-12-09	201847021467			Baker Hughes Holdings LLC
Controller For A Rod Pumping Unit And Method Of Operation	Oman	2016-12-09	OM/P/2018/00138			Baker Hughes Holdings LLC
Controller For A Rod Pumping Unit And Method Of Operation	United States of America	2015-12-10	14/965484 ¹			Baker Hughes Oilfield Operations, LLC
Controller For A Rod Pumping Unit And Method Of Operation	Patent Cooperation Treaty	2016-12-09	PCT/US2016/065966			Baker Hughes Holdings LLC

¹ Petition to Revive was filed and issue fee tendered on April 26, 2020.

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Controller And Method Of Controlling A Rod Pumping Unit	Canada	2018-02-01	2993714			Baker Hughes Holdings LLC
Controller And Method Of Controlling A Rod Pumping Unit	China	2018-02-05	201810113456.7			Baker Hughes Holdings LLC
Controller And Method Of Controlling A Rod Pumping Unit	Russian Federation	2018-02-02	2018104087			Baker Hughes Holdings LLC
Controller And Method Of Controlling A Rod Pumping Unit	United States of America	2017-02-03	15/424,452 ²			Baker Hughes Oilfield Operations, LLC
Systems and Methods For Control Rod Pumps Controller and Method of Controlling a Rod Pumping Unit	Canada	2016-08-04	2938205			Baker Hughes Holdings LLC
Systems and Methods For Control Rod Pumps	Mexico	2016-08-05	MX/A/2016/010244			Baker Hughes Holdings LLC
Controller And Method Of Controlling A Rod Pumping Unit	United States of America	2015-11-18	14/945163			Baker Hughes Oilfield Operations, LLC
Sucker Rod Pumping Unit And Method Of Operation	Australia	2017-04-13	2017248641			Baker Hughes Holdings LLC
Sucker Rod Pumping Unit And Method Of Operation	Canada	2017-04-13	3,020,177			Baker Hughes Holdings LLC
Rod Pumping Unit And Method Of Operation	Colombia	2017-04-13	NC2018/0012176			Baker Hughes Holdings LLC

² Petition to Revive filed 01/27/2020 along with the Response to OA and RCE.

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Sucker Rod Pumping Unit And Method Of Operation	Oman	2017-04-13	OM/P/2018/00291			Baker Hughes Holdings LLC
Rod Pumping Unit And Method Of Operation	Romania	2017-04-13	P/00014/2018			Baker Hughes Holdings LLC
Rod Pumping Unit And Method Of Operation	United States of America	2016-04-14	15/099,342			Baker Hughes Oilfield Operations, LLC
Sucker Rod Pumping Unit And Method Of Operation	Patent Cooperation Treaty	2017-04-13	PCT/US2017/027365			Baker Hughes Holdings LLC
Optical Alignment System For Beam Pumping Unit	Canada	2017-02-02	3012041			Lufkin Industries LLC
Optical Alignment System For Beam Pumping Unit	Colombia	2017-02-02	180009214			Lufkin Industries LLC
Optical Alignment System For Beam Pumping Unit	Egypt	2017-02-02	PCT1176/2018			Lufkin Industries LLC
Optical Alignment System For Beam Pumping Unit	Mexico	2017-02-02	MX/A/2018/009424			Lufkin Industries LLC
Optical Alignment System For Beam Pumping Unit	Oman	2017-02-02	OM/P/2018/00208			Lufkin Industries LLC
Optical Alignment System For Beam Pumping Unit	United States of America	2017-02-01	15/422,337	2020-03-17	10,590,725	Lufkin Industries LLC
Optical Alignment System For Beam Pumping Unit	United States of America	2020-03-16	16/820,684 ³			Lufkin Industries LLC
Optical Alignment System For Beam Pumping Unit	Patent Cooperation Treaty	2017-02-02	PCT/US17/016293			Lufkin Industries LLC

³ This application is a continuation of US 15/422,337.

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Beam Pumping Unit With Geometry Optimized For Bearing Stress Reduction	Gulf Cooperation Council	2018-07-26	2018/35731			Lufkin Industries LLC
Beam Pumping Unit With Geometry Optimized For Bearing Stress Reduction	United States of America	2017-08-01	15/666526			Lufkin Industries LLC
Beam Pumping Unit With Geometry Optimized For Bearing Stress Reduction	Patent Cooperation Treaty	2018-07-03	PCT/US2018/040736			Lufkin Industries LLC
Rear Leg Connection For Beam Pumping Unit	United States of America	2017-01-17	15/408335			Lufkin Industries LLC
Rear Leg Connection For Beam Pumping Unit	Patent Cooperation Treaty	2018-03-19	PCT/US2018/023137			Lufkin Industries LLC
Integrated Base Assembly For Beam Pumping Unit	Argentina	2018-08-17	P180102363			Lufkin Industries LLC
Integrated Base Assembly For Pump Jack	Gulf Cooperation Council	2018-08-16	2018/35871			Lufkin Industries LLC
Integrated Base Assembly For Beam Pumping Unit	United States of America	2018-08-20	16/105236			Lufkin Industries LLC
Integrated Base Assembly For Beam Pumping Unit	Patent Cooperation Treaty	2018-08-13	PCT/US2018/046410			Lufkin Industries LLC
Integral Precast Foundation for Base Pumping Unit	United States of America	2018-06-26	16/019357			Lufkin Industries LLC
Integral Precast Foundation for Base Pumping Unit	Patent Cooperation Treaty	2018-06-26	PCT/US2018/39576			Lufkin Industries LLC
Linear Drive Beam Pumping Unit	Argentina	2018-10-10	P180102927			Lufkin Industries LLC
Linear Drive Beam Pumping Unit	Gulf Cooperation Council	2018-10-10	2018/36195			Lufkin Industries LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Linear Drive Beam Pumping Unit	United States of America	2018-10-09	16/155,403			Lufkin Industries LLC
Linear Drive Beam Pumping Unit	Patent Cooperation Treaty	2018-10-10	PCT/US2018/055109			Lufkin Industries LLC
Methods For Measuring Leakage Rate And Inferring Production Rate Of An Oilfield Downhole Pump	United States of America	2011-07-20	13/187330	2014-09-30	8849594	Lufkin Industries LLC
Real-Time Pump Diagnostic Algorithms And Application Thereof	United States of America	2013-11-19	14/443878 ⁴			Lufkin Industries LLC
System and Method for Evaluating Reciprocating Downhole Pump Data Using Polar Coordinate Analytics	United States of America	2020-01-21	16/748,750			Baker Hughes Oilfield Operations LLC
Improved Seal Configuration for Downhole Reciprocating Pumps	United States of America	2019-02-14	16/792,023			Baker Hughes Oilfield Operations LLC
Deviation Tolerant Pistol Pump	Canada	2014-11-18	2871378	2017-07-04	2871378	Baker Hughes Holdings LLC
Deviation Tolerant Well Plunger Pump	United States of America	2014-11-14	14/541322	2018-03-13	9915257	Baker Hughes Holdings LLC
System And Method For Controlling A Progressing Cavity Well Pump	United States of America	2007-11-16	11/941848	2011-01-18	7870900	Lufkin Industries LLC
System And Method For Controlling A Progressing Cavity Well Pump	Canada	2008-09-10	2639450	2012-08-28	2639450	Lufkin Industries LLC

⁴ A Petition to Revive was filed along with an RCE and response to Final OA on June 10, 2020.

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Improved Wellhead Drive Braking Mechanism	Canada	2006-06-09	2550066	2011-08-09	2550066	Quinn Pumps Canada Ltd.
Load Shedding Control System For Pumps	Argentina	2018-01-29	P180100206			Lufkin Industries LLC
Load Shedding Control System For Pumps	United States of America	2018-01-26	15/881533			Baker Hughes Holdings LLC
Load Shedding Control System For Pumps	Patent Cooperation Treaty	2018-01-26	PCT/US2018/015554			Lufkin Industries LLC
Convertible Rotary Seal For Progressing Cavity Pump Drivehead	United States of America	2004-08-10		2007-08-14	7255163	Baker Hughes Holdings LLC
Convertible Rotary Seal For Progressing Cavity Pump Drivehead	Canada	2005-08-10		2008-10-14	2515616	Baker Hughes Holdings LLC
Method and Systems for Enhancing Flow of a Fluid Induced by a Rod Pumping Unit	United States of America	2014-12-18	14/575,789	2017-03-28	9605670	Baker Hughes Oilfield Operations, LLC
Method and systems for enhancing flow of a fluid induced by a rod pumping unit	Indonesia	12/2/2015	P00201703875	10/4/2019	P000063166	Baker Hughes Holdings LLC
Method and systems for enhancing flow of a fluid induced by a rod pumping unit	Mexico	12/2/2015	2017/008066A			Baker Hughes Holdings LLC
Method and systems for enhancing flow of a fluid induced by a rod pumping unit	Romania	12/2/2015	A201700391			Baker Hughes Holdings LLC
Method and systems for enhancing flow of a fluid induced by a rod pumping unit	Canada	12/2/2015	2970290			Baker Hughes Holdings LLC

Title	Country	Filed Date	App Number	Grant Date	Patent No.	Owner
Method and System for Enhancing Flow of a Fluid Induced by a Rod Pumping Unit	United States of America	2014-12-18	14/575,819			Baker Hughes Oilfield Operations, LLC
Methods and system for enhancing flow of a fluid induced by a rod pumping unit	Canada	12/15/2015	2970320A1			Baker Hughes Holdings LLC
Methods and system for enhancing a flow of fluid induced by a rod pumping unit	Romania	12/15/2015	132321A2			Baker Hughes Holdings LLC
Method and systems for enhancing flow of a fluid induced by a rod pumping unit	Mexico	12/15/2015	2017/008109A			Baker Hughes Holdings LLC
Method and systems for enhancing flow of a fluid induced by a rod pumping unit	Indonesia	12/15/2015	P00201703877			Baker Hughes Holdings LLC