

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4851318

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
ACAL ENERGY LTD		11/16/2017
RECEIVING PARTY DATA		
Name:	UNIVERSITY OF CHESTER	
Street Address:	PARKGATE ROAD	
City:	CHESTER	
State/Country:	UNITED KINGDOM	
Postal Code:	CH1 4BJ	
PROPERTY NUMBERS Total: 18		
Property Type	Number	
Patent Number:	9005828	
Patent Number:	8753783	
Patent Number:	8492048	
Patent Number:	9136554	
Patent Number:	9029042	
Patent Number:	8647781	
Patent Number:	9209476	
Patent Number:	9362584	
Patent Number:	9385391	
Patent Number:	8951695	
Application Number:	14127764	
Application Number:	14374884	
Application Number:	14383485	
Application Number:	14409438	
Application Number:	14889667	
Application Number:	14900537	
Application Number:	15036354	
Application Number:	15547039	
CORRESPONDENCE DATA		

Fax Number: (949)760-9502

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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Email: efiling@knobbe.com

Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR, LLP

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Address Line 2: 14TH FLOOR

Address Line 4: IRVINE, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	WPTHOM15
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NAME OF SUBMITTER:	TSUNEAKI NISHIMURA
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SIGNATURE:	/tsuneaki nishimura/
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DATE SIGNED:	03/05/2018
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Total Attachments: 10

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THIS ASSIGNMENT dated 16 November 2017 is made BETWEEN:

- (1) ACAL ENERGY LTD (in liquidation), a company registered in England under number 05209861, formerly trading at premises at The Heath Business and Technical Park, Runcom, Cheshire WA7 4QX, United Kingdom and whose registered office is at 40a Station Road, Upminster, Essex, RM14 2TR, United Kingdom acting by the Liquidator (the "Assignor");
- (2) Darren Edwards of Aspect Plus LLP, 40a Station Road, Upminster, Essex, RM14 2TR in his capacity as liquidator and agent of the Assignor and without personal liability (the "Liquidator"); and
- (3) UNIVERSITY OF CHESTER, whose address is Parkgate Road, Chester, CH1 4BJ, United Kingdom (the "Assignee").

WHEREAS

- (A) The patents and patent applications listed in the attached Schedule (the "Assigned Property") are registered in the name of the Assignor.
- (B) On 8 March 2017 a shareholders' resolution was passed to wind up the Assignor. The Liquidator was appointed by the creditors on the same date for the purposes of the winding-up of the Assignor.
- (C) The Assignor, acting by the Liquidator, wishes to assign to the Assignee on an "as is" and "where is" basis all its right, title and interest in the Assigned Property, and the Assignee wishes to take an assignment of the Assigned Property, subject to and in accordance with the terms of this Assignment.
- (D) The Liquidator has entered into this agreement solely as agent of the Assignor and shall incur no personal liability of any kind under or in connection with this agreement.

THIS ASSIGNMENT WITNESSES AS FOLLOWS:

1. Assignment

- 1.1 In consideration of the sum of £1 (one pound sterling) paid by the Assignee to the Assignor, receipt of which the Liquidator acknowledges on behalf of the Assignor, the Assignor acting by the Liquidator hereby assigns and transfers to the Assignee all its right, title and interest in the Assigned Property.
- 1.2 The assignment effected by this clause 1 shall include the assignment and transfer of such right, title and interest that the Assignor has in:
 - 1.2.1 all patents listed, or that may be granted pursuant to any applications listed, in the attached Schedule, as well as all patents that may derive priority from or have equivalent claims to or be based upon the Assigned Property in any country of the world (and including, without limitation, supplementary protection certificates, divisions, continuations, continuations-in-part, reissues and extensions), and the Assigned Property shall be deemed to include all such items of property; and
 - 1.2.2 the right to proceed as applicant in respect of the Assigned Property and the right to any patent which may be granted pursuant thereto; and

- 1.2.3 all rights of action, powers and benefits arising from ownership of the Assigned Property, including without limitation the right to sue for damages and other legal and equitable remedies in respect of all causes of action arising prior to, on or after the date of this Assignment.
- 1.3 The Assignor acting by the Liquidator shall execute such documents and give such assistance as the Assignee may require at the Assignee's cost:
- 1.3.1 to secure the vesting in the Assignee of all rights of the Assignor in the Assigned Property;
- 1.3.2 to uphold the Assignee's rights in the Assigned Property; and
- 1.3.3 to defeat any challenge to the validity of, and resolve any questions concerning, the Assigned Property.

3. Governing law and jurisdiction

- 3.1 English Law shall govern the validity, construction and performance of this Assignment, and the parties submit to the jurisdiction of the English Courts in respect of any dispute arising in connection therewith.

4. Counterparts

- 4.1 This Assignment may be executed in any number of counterparts, each of which when executed and delivered shall constitute an original of this Assignment, but all the counterparts shall together constitute the same agreement. No counterpart shall be effective until each party has executed and delivered at least one counterpart.

AGREED by the parties:

Signed by the Liquidator without
personal liability and as agent on
behalf of
ACAL ENERGY LTD (in liquidation)

For and on behalf of
UNIVERSITY OF CHESTER

Signed

Signed

Print name

Print name

Position

Position

Date

Date

1.2.3 all rights of action, powers and benefits arising from ownership of the Assigned Property, including without limitation the right to sue for damages and other legal and equitable remedies in respect of all causes of action arising prior to, on or after the date of this Assignment.

1.3 The Assignor acting by the Liquidator shall execute such documents and give such assistance as the Assignee may require at the Assignee's cost:

1.3.1 to secure the vesting in the Assignee of all rights of the Assignor in the Assigned Property;

1.3.2 to uphold the Assignee's rights in the Assigned Property; and

1.3.3 to defeat any challenge to the validity of, and resolve any questions concerning, the Assigned Property.

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4. Counterparts

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AGREED by the parties:

Signed by the Liquidator without
personal liability and as agent on
behalf of
ACAL ENERGY LTD (in liquidation)

For and on behalf of
UNIVERSITY OF CHESTER

Signed

Signed

Print name

Print name

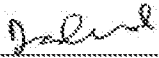
Position

Position

Date

Date

Signed by the Liquidator without
personal liability and solely for the
purpose of obtaining the benefit of the
provisions of this agreement
expressed to be conferred on or given
in favour of the Liquidator


Signed

DARREN EDWARDS
Print name

LIQUIDATOR
Position

16/1/17
Date

SCHEDULE

The Assigned Property

Territory	Application No.	Grant/Registration No. (if applicable)
Brazil	PI 0709069-7	
Brazil	PI0710697-1	
Brazil	PI0714461-0	
Brazil	PI0714968-9	
Brazil	PI0816956-0	
Brazil	PI0817239-0	
Brazil	PI 0906782-5	
Brazil	PI 0906365-0	
Brazil	PI1011290-1	
Brazil	112012002298-9	
Brazil	1120130144483	
Brazil	1120130090472	
Brazil	BR112012018419-9	
Brazil	BR112012020301-0	
Brazil	BR1120130331720	
Brazil	112014018155-1	
Brazil	1120140323291	
China	200780010285.5	
China	200780015017.2	ZL200780015017.2
China	200880107489.5	ZL200880107489.5
China	200880107483.8	ZL200880107483.8
China	200980102041.9	ZL200980102041.9
China	200980102057.X	ZL200980102057.X
China	201080034773.1	
China	201180057388.3	
China	201180049752.1	
China	201180010747.X	ZL201180010747.X
China	201280030919.4	
China	200780027351.X	ZL200780027351.X
China	200780027368.5	ZL200780027368.5
China	201080019945.8	ZL201080019945.8
China	201180009820.1	ZL201180009820.1
China	201380006781.9	ZL201380006781.9
China	201580073411.6	
China	201510225144.1	
China	201380033917.5	
China	201480025868.5	
European Patent Office	06725015.9	
European Patent Office	08806664.2	
European Patent Office	11773117.4	
European Patent Office	13702098.8	
European Patent Office	13704220.6	
European Patent Office	13733423.1	
European Patent Office	07712996.3	1999811
European Patent Office	07733632.9	2013935
European Patent Office	07766461.3	2059969
European Patent Office	08806673.3	2193568

Territory	Application No.	Grant/Registration No. (if applicable)
European Patent Office	09704835.9	2238642
European Patent Office	09703187.6	2238641
European Patent Office	09704879.7	2235781
European Patent Office	10719607.3	2427931
European Patent Office	10742541.5	2462650
European Patent Office	11807720.5	2556427
European Patent Office	11709781.6	2542332
European Patent Office	12730611.6	2721678
European Patent Office	14796872.1	3069402
European Patent Office	13733422.3	
European Patent Office	15794279.8	
European Patent Office	07766462.1	
European Patent Office	11707472.4	
European Patent Office	12730253.7	
European Patent Office	16190007.1	
European Patent Office	13709520.4	
European Patent Office	14723851.3	
European Patent Office	14735653.9	
France	EP07733632.9	EP2013935
France	EP08806673.3	EP2193568
France	EP09704835.9	EP2238642
France	EP09703187.6	EP2238641
France	EP09704879.7	EP2235781
France	EP07712996.3	EP1999811
France	EP07766461.3	EP2059969
France	EP10719607.3	EP2427931
France	EP10742541.5	EP2462650
France	EP11709781.6	EP2542332
France	EP12730611.6	EP2721678
Germany	EP07733632.9	602007036698.4
Germany	EP08806673.3	602008020654.8
Germany	EP09704835.9	602009009784.9
Germany	EP09703187.6	602009009449.1
Germany	EP09704879.7	602009010629.5
Germany	EP07712996.3	602007035509.5
Germany	EP07766461.3	602007038226.2
Germany	EP10719607.3	602010027366.0
Germany	EP10742541.5	602010014244.2
Germany	EP11709781.6	602011013121.4
Germany	EP12730611.6	602012029570.8
India	2170/MUMNP/2008	
India	874/DELNP/2009	
India	875/DELNP/2009	
India	513/MUMNP/2010	
India	544/MUMNP/2010	
India	1486/MUMNP/2010	
India	1553/MUMNP/2010	
India	143/MUMNP/2012	
India	710/MUMNP/2013	
India	182/MUMNP/2015	

Territory	Application No.	Grant/Registration No. (if applicable)
India	1949/MUMNP/2008	256777
India	2304/MUMNP/2011	
India	890/MUMNP/2013	
India	1640/MUMNP/2012	
India	1830/MUMNP/2012	
India	2401/MUMNP/2013	
India	1390/MUMNP/2014	
Italy	EP07712996.3	69428/BE/2014
Japan	2014-082857	
Japan	2009-507180	5355385
Japan	2013-174372	5486725
Japan	2010-525449	5411865
Japan	2010-525450	5231558
Japan	2010-543581	5468017
Japan	2010-543580	5670746
Japan	2010-543582	5683963
Japan	2012-523393	
Japan	2013-533287	
Japan	2012-555493	
Japan	2014-553804	
Japan	2014-553803	
Japan	2015-519335	
Japan	2009-500940	5773351
Japan	2009-520063	5234823
Japan	2009-520064	5234824
Japan	2012-509094	5712203
Japan	2013-545494	5913364
Japan	2012-555492	5970378
Japan	2016-529977	
Japan	2014-516446	
Japan	2016-186876	
Japan	2014-560443	
Japan	2015-519334	
Japan	2016-512413	
Netherlands	EP07712996.3	EP1999811
Republic of Korea	10-2008-7025791	
Republic of Korea	10-2014-7016889	
Republic of Korea	10-2008-7028050	10-1433631
Republic of Korea	10-2009-7003453	10-1496136
Republic of Korea	10-2009-7003456	10-1425808
Republic of Korea	10-2010-7008502	
Republic of Korea	10-2010-7009035	
Republic of Korea	10-2010-7018546	
Republic of Korea	10-2010-7018418	
Republic of Korea	10-2011-7029319	
Republic of Korea	10-2012-7005874	
Republic of Korea	10-2013-7012991	
Republic of Korea	10-2013-7012300	
Republic of Korea	10-2014-7001817	
Republic of Korea	10-2012-7025861	10-1523187

Territory	Application No.	Grant/Registration No. (if applicable)
Republic of Korea	10-2016-7023771	
Republic of Korea	10-2012-7025584	
Republic of Korea	10-2014-7023590	
Republic of Korea	10-2015-7002101	
Republic of Korea	10-2015-7034753	
Spain	EP07712996.3	2466351
Sweden	EP07712996.3	EP1999811
United Kingdom	0608079.0	
United Kingdom	EP07733632.9	EP2013935
United Kingdom	0614337.4	
United Kingdom	0614338.2	
United Kingdom	EP08806673.3	EP2193568
United Kingdom	EP09704835.9	EP2238642
United Kingdom	0601197.5	
United Kingdom	EP09703187.6	EP2238641
United Kingdom	EP09704879.7	EP2235781
United Kingdom	0901106.5	
United Kingdom	1203567.1	
United Kingdom	1211349.4	
United Kingdom	1410467.3	
United Kingdom	1420202.2	
United Kingdom	EP07712996.3	EP1999811
United Kingdom	0604804.5	2424118
United Kingdom	0714046.0	2440434
United Kingdom	EP07766461.3	EP2059969
United Kingdom	0714048.6	2440435
United Kingdom	EP10719607.3	EP2427931
United Kingdom	EP10742541.5	EP2462650
United Kingdom	1021904.6	2486719
United Kingdom	EP11709781.6	EP2542332
United Kingdom	1110357.9	2492082
United Kingdom	EP12730611.6	EP2721676
United Kingdom	1201246.4	2498741
United Kingdom	1204028.3	2500031
United Kingdom	1307880.3	
United Kingdom	0505087.7	
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United Kingdom	0718349.4	
United Kingdom	0718677.0	
United Kingdom	0801195.9	
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United Kingdom	1008979.5	
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United Kingdom	1016005.9	
United Kingdom	1017421.7	
United Kingdom	1110585.5	
United Kingdom	1203565.5	

Territory	Application No.	Grant/Registration No. (if applicable)
United Kingdom	1211435.1	
United Kingdom	1307609.6	
United Kingdom	1306326.8	
United Kingdom	1307611.2	
United Kingdom	1308178.1	
United Kingdom	1311295.8	
United Kingdom	1322922.4	
United Kingdom	1319966.6	
United Kingdom	1420200.6	
United States of America	11/911,945	
United States of America	13/764,127	
United States of America	12/679,478	8,603,664
United States of America	12/864,496	
United States of America	12/864,359	8,951,695
United States of America	12/864,496	8,647,761
United States of America	13/319,073	
United States of America	13/879,376	
United States of America	13/582,283	
United States of America	14/127,885	
United States of America	14/374,674	
United States of America	14/409,453	
United States of America	12/294,320	9,005,828
United States of America	12/298,355	8,753,783
United States of America	12/374,352	8,492,048
United States of America	12/374,371	9,136,554
United States of America	12/678,687	9,029,042
United States of America	13/388,981	9,209,476
United States of America	13/996,490	9,362,584
United States of America	13/582,317	9,365,391
United States of America	15/547,039	
United States of America	14/127,764	
United States of America	14/374,884	
United States of America	14/383,485	
United States of America	14/409,438	
United States of America	14/889,667	
United States of America	14/900,537	
United States of America	15/036,354	
World Intellectual Property Organisation	PCT/GB2011/051014	
World Intellectual Property Organisation	PCT/GB2014/051273	
World Intellectual Property Organisation	PCT/GB2014/051084	
World Intellectual Property Organisation	PCT/GB2014/051274	
World Intellectual Property Organisation	PCT/GB2014/051349	
World Intellectual Property Organisation	PCT/GB2014/053812	
World Intellectual Property Organisation	PCT/EP2006/060640	
World Intellectual Property Organisation	PCT/GB2008/050857	
World Intellectual Property Organisation	PCT/GB2009/050066	
World Intellectual Property Organisation	PCT/GB2009/050065	
World Intellectual Property Organisation	PCT/GB2009/050067	
World Intellectual Property Organisation	PCT/GB2010/050746	
World Intellectual Property Organisation	PCT/GB2010/051295	

Territory	Application No.	Grant/Registration No. (if applicable)
World Intellectual Property Organisation	PCT/GB2011/052500	
World Intellectual Property Organisation	PCT/GB2011/051961	
World Intellectual Property Organisation	PCT/GB2011/050410	
World Intellectual Property Organisation	PCT/GB2011/050411	
World Intellectual Property Organisation	PCT/GB2012/051410	
World Intellectual Property Organisation	PCT/GB2012/051474	
World Intellectual Property Organisation	PCT/GB2013/050174	
World Intellectual Property Organisation	PCT/GB2013/050173	
World Intellectual Property Organisation	PCT/GB2013/050569	
World Intellectual Property Organisation	PCT/GB2013/051675	
World Intellectual Property Organisation	PCT/GB2013/051676	
World Intellectual Property Organisation	PCT/GB2014/051371	
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World Intellectual Property Organisation	PCT/GB2014/053322	
World Intellectual Property Organisation	PCT/GB2015/053424	
World Intellectual Property Organisation	PCT/GB2007/050151	
World Intellectual Property Organisation	PCT/GB2007/050211	
World Intellectual Property Organisation	PCT/GB2007/050420	
World Intellectual Property Organisation	PCT/GB2007/050421	
World Intellectual Property Organisation	PCT/GB2008/050848	