

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4368071

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANDREW PHILIP BARNES	06/01/2016
PETER STUART BRETT	11/01/2016
STEVEN PAUL GOODIER	11/09/2016
TIMOTHY HUGH LAKE	11/03/2016
MARK O'MALLEY	01/07/2017
OLIVER PAUL TAYLOR	10/31/2016
DAVID JOHN ROACH WILLIAMS	11/01/2016
RECEIVING PARTY DATA	
Name:	CASTROL LIMITED
Street Address:	TECHNOLOGY CENTRE
Internal Address:	WHITCHURCH HILL
City:	PANGBOURNE, READING
State/Country:	UNITED KINGDOM
Postal Code:	RG8 7QR
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15312920
CORRESPONDENCE DATA	
Fax Number:	(312)913-0002
<i>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.</i>	
Phone:	312-913-0001
Email:	lovsin@mbhb.com
Correspondent Name:	MCDONNELL BOEHNEN HULBERT & BERHOFF LLP
Address Line 1:	300 S. WACKER DRIVE
Address Line 2:	SUITE 3100
Address Line 4:	CHICAGO, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	16-1499-WO-US
NAME OF SUBMITTER:	JAMES L. LOVSIN
SIGNATURE:	/James L. Lovsin/

PATENT

DATE SIGNED:

04/13/2017

Total Attachments: 25

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source=16-1499-WO-US Assignment#page25.tif

ASSIGNMENT

WHEREAS WE, Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR and David John Roach WILLIAMS all of British nationality, residing at Shropham, Norfolk, United Kingdom; Reading, Berkshire, United Kingdom; Moulsoford, Oxfordshire, United Kingdom; Steyning, West Sussex, United Kingdom; Grundisburgh, Suffolk, United Kingdom; Reading, Berkshire, United Kingdom and Reading Berkshire, United Kingdom, respectively, have made an invention relating to Fluid System and Method, which is the subject of BP Patent Case No.500690 filed on 21 May 2014 under PCT Application No. PCT/GB2014/051567 (hereinafter the "Invention"); and

WHEREAS I, Andrew Philip BARNES, when contributing to said Invention and improvements thereto was a director of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Peter Stuart BRETT, when contributing to said Invention and improvements thereto was a director of PETER BRETT CONSULTING LIMITED registered in England and Wales with company number 07701347 and having a registered office at 4 Blenheim Road, Caversham, Reading, Berkshire, RG4 7RS, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Steven Paul GOODIER, when contributing to said Invention and improvements thereto was an employee of LUBRICANTS UK LIMITED registered in England and Wales with company number 00097216 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Timothy Hugh LAKE when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Mark O'MALLEY, when contributing to said Invention and improvements thereto was an employee of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Oliver Paul TAYLOR when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, David John Roach WILLIAMS when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS WE, Andrew Philip BARNES and Mark O'MALLEY, each acknowledge that all of our rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in POWERTRAIN TECHNOLOGIES LIMITED by contract of employment or through application of law; and

WHEREAS I, Peter Stuart BRETT, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in PETER BRETT CONSULTING LIMITED by contract of employment or through application of law; and

WHEREAS I, Steven Paul GOODIER, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in LUBRICANTS UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Timothy Hugh LAKE, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Oliver Paul TAYLOR, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, David John Roach WILLIAMS, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS by an agreement number 78259 (hereinafter the "78259" Services Agreement) for the provision of services (as defined in said 78259 Agreement) to CASTROL LIMITED by POWERTRAIN TECHNOLOGIES LIMITED it was agreed that all rights, title, and interest in and to information (as defined in said 78259 Agreement) arising in respect of the services and all Intellectual Rights (as defined in said 78259 Agreement) based, in whole or in part, on the information arising in respect of the Services and/or in connection with or pursuant of the Services and/or provision of the Deliverables (as defined in said 78259 Agreement), including but not limited to, all improvements, developments and modifications thereof shall vest in CASTROL LIMITED and

WHEREAS by an agreement dated 25th August 2011 between PETER BRETT CONSULTING LIMITED having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347 and CASTROL LIMITED, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide consultancy and development services to CASTROL LIMITED and it was agreed that all Intellectual Property rights based, in whole or part, on the information arising in respect of those services shall vest in CASTROL LIMITED; and

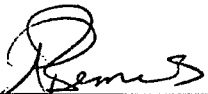
by an agreement dated 26th April 2012 between Harvey Nash plc whose registered office is at 13 Bruton Street, London W1J 6QA, United Kingdom and PETER BRETT CONSULTING LIMITED, having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide engineering consultancy services to LUBRICANTS UK LIMITED and BP INTERNATIONAL LIMITED having a registered office at Chertsey Road, Sunbury on Thames, Middlesex, TW16 7BP, United Kingdom and being registered in England and Wales with company number 542515 (together the "Client") and it was agreed that the Client owns all right, title and interest in and to the inventions and intellectual property rights arising from said services; and


WHEREAS it is the wish of all the parties that the entire right, title and interest in, to and under the said Invention and any improvements thereon and the right to file patent applications therefor in any and all countries of the world, any and all patent applications therefor in the USA and all other countries of the world, and any and all Letters Patent which may be issued thereupon in the USA and all other countries of the world, shall vest solely in said CASTROL LIMITED having a registered office at Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom and being registered in England and Wales with company number 14935;

NOW THEREFORE, to the extent that specific assignment of the Invention and/or improvements thereon and the right to file patent applications therefor in any country of the world is needed for the purpose of recording or registration in any patent office, industrial property office or like governmental authority, WE, the said Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR, David John Roach WILLIAMS, POWERTRAIN TECHNOLOGIES LIMITED, PETER BRETT CONSULTING LIMITED, BP INTERNATIONAL LIMITED, BP OIL UK LIMITED and LUBRICANTS UK LIMITED for valuable consideration, the receipt and adequacy of which we hereby acknowledge, agree to sell, assign, transfer and set over, and by these presents do hereby sell, assign, transfer and set over, unto CASTROL LIMITED, its successors and assigns, and CASTROL LIMITED agrees to accept and hereby does accept, the entire right, title and interest in to and under the said Invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to PCT Application No. PCT/GB2014/051567) for the said Invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to PCT Application No. PCT/GB2014/051567) and Letters Patent for said Invention and improvements in the USA and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 21 May 2014.

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said Invention and any improvements thereon, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said Invention and any improvements thereon in the USA and all other countries of the world.

Dated: 1st June 2016

Andrew Philip BARNES


Witnessed

D FAIRBURN
PRINT WITNESS NAME

Dated: _____
Peter Stuart BRETT

Witnessed

PRINT WITNESS NAME

Dated: _____
Steven Paul GOODIER

Witnessed

PRINT WITNESS NAME

Dated: _____
Timothy Hugh LAKE

Witnessed

PRINT WITNESS NAME

Dated: _____ Mark O'MALLEY _____
Witnessed

PRINT WITNESS NAME


Dated: _____ Oliver Paul TAYLOR _____
Witnessed

PRINT WITNESS NAME

Dated: _____ David John Roach WILLIAMS _____
Witnessed

PRINT WITNESS NAME

Agreed for POWERTRAIN TECHNOLOGIES LIMITED :

Dated : 1st June 2016 (signed) 
(print name) A. P. Barnes
(print title/position) Director

Agreed for PETER BRETT CONSULTING LIMITED :

Dated : _____ (signed) _____
(print name) _____
(print title/position) _____

Agreed for BP INTERNATIONAL LIMITED:

Dated: _____ (signed) _____
(print name) _____
By Power of Attorney

Agreed for BP OIL UK LIMITED:

Dated: _____ (signed) _____
(print name) _____

By Power of Attorney

Agreed for LUBRICANTS UK LIMITED:

Dated: _____ (signed) _____
(print name) _____

By Power of Attorney

Accepted for CASTROL LIMITED:

Dated: _____ (signed) _____
(print name) _____

By Power of Attorney

ASSIGNMENT

WHEREAS WE, Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR and David John Roach WILLIAMS all of British nationality, residing at Shropham, Norfolk, United Kingdom; Reading, Berkshire, United Kingdom; Moulsoford, Oxfordshire, United Kingdom; Steyning, West Sussex, United Kingdom; Grundisburgh, Suffolk, United Kingdom; Reading, Berkshire, United Kingdom and Reading Berkshire, United Kingdom, respectively, have made an invention relating to Fluid System and Method, which is the subject of BP Patent Case No.500690 filed on 21 May 2014 under PCT Application No. PCT/GB2014/051567 (hereinafter the "Invention"); and

WHEREAS I, Andrew Philip BARNES, when contributing to said Invention and improvements thereto was a director of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Peter Stuart BRETT, when contributing to said Invention and improvements thereto was a director of PETER BRETT CONSULTING LIMITED registered in England and Wales with company number 07701347 and having a registered office at 4 Blenheim Road, Caversham, Reading, Berkshire, RG4 7RS, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Steven Paul GOODIER, when contributing to said Invention and improvements thereto was an employee of LUBRICANTS UK LIMITED registered in England and Wales with company number 00097216 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Timothy Hugh LAKE when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Mark O'MALLEY, when contributing to said Invention and improvements thereto was an employee of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Oliver Paul TAYLOR when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, David John Roach WILLIAMS when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS WE, Andrew Philip BARNES and Mark O'MALLEY, each acknowledge that all of our rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in POWERTRAIN TECHNOLOGIES LIMITED by contract of employment or through application of law; and

WHEREAS I, Peter Stuart BRETT, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in PETER BRETT CONSULTING LIMITED by contract of employment or through application of law; and

WHEREAS I, Steven Paul GOODIER, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in

any and all countries of the world have vested in LUBRICANTS UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Timothy Hugh LAKE, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Oliver Paul TAYLOR, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, David John Roach WILLIAMS, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS by an agreement number 78259 (hereinafter the "78259" Services Agreement) for the provision of services (as defined in said 78259 Agreement) to CASTROL LIMITED by POWERTRAIN TECHNOLOGIES LIMITED it was agreed that all rights, title, and interest in and to information (as defined in said 78259 Agreement) arising in respect of the services and all Intellectual Rights (as defined in said 78259 Agreement) based, in whole or in part, on the information arising in respect of the Services and/or in connection with or pursuant of the Services and/or provision of the Deliverables (as defined in said 78259 Agreement), including but not limited to, all improvements, developments and modifications thereof shall vest in CASTROL LIMITED and

WHEREAS by an agreement dated 25th August 2011 between PETER BRETT CONSULTING LIMITED having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347 and CASTROL LIMITED, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide consultancy and development services to CASTROL LIMITED and it was agreed that all Intellectual Property rights based, in whole or part, on the information arising in respect of those services shall vest in CASTROL LIMITED; and

by an agreement dated 26th April 2012 between Harvey Nash plc whose registered office is at 13 Bruton Street, London W1J 6QA, United Kingdom and PETER BRETT CONSULTING LIMITED, having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide engineering consultancy services to LUBRICANTS UK LIMITED and BP INTERNATIONAL LIMITED having a registered office at Chertsey Road, Sunbury on Thames, Middlesex, TW16 7BP, United Kingdom and being registered in England and Wales with company number 542515 (together the "Client") and it was agreed that the Client owns all right, title and interest in and to the inventions and intellectual property rights arising from said services; and

WHEREAS it is the wish of all the parties that the entire right, title and interest in, to and under the said Invention and any improvements thereon and the right to file patent applications therefor in any and all countries of the world, any and all patent applications therefor in the USA and all other countries of the world, and any and all Letters Patent which may be issued thereupon in the USA and all other countries of the world, shall vest solely in said CASTROL LIMITED having a registered office at Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom and being registered in England and Wales with company number 14935;

NOW THEREFORE, to the extent that specific assignment of the Invention and/or improvements thereon and the right to file patent applications therefor in any country of the world is needed for the purpose of

recording or registration in any patent office, industrial property office or like governmental authority, WE, the said Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR, David John Roach WILLIAMS, POWERTRAIN TECHNOLOGIES LIMITED, PETER BRETT CONSULTING LIMITED, BP INTERNATIONAL LIMITED, BP OIL UK LIMITED and LUBRICANTS UK LIMITED for valuable consideration, the receipt and adequacy of which we hereby acknowledge, agree to sell, assign, transfer and set over, and by these presents do hereby sell, assign, transfer and set over, unto CASTROL LIMITED, its successors and assigns, and CASTROL LIMITED agrees to accept and herby does accept, the entire right, title and interest in to and under the said Invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to PCT Application No. PCT/GB2014/051567) for the said Invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to PCT Application No. PCT/GB2014/051567) and Letters Patent for said Invention and improvements in the USA and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 21 May 2014.

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said Invention and any improvements thereon, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said Invention and any improvements thereon in the USA and all other countries of the world.

Dated: _____

Andrew Philip BARNES

Witnessed

Dated: 1-11-2016



Peter Stuart BRETT

PRINT WITNESS NAME

P B Fisher

Witnessed

P B Fisher

PRINT WITNESS NAME

Dated: _____

Steven Paul GOODIER

Witnessed

PRINT WITNESS NAME

Dated: _____

Timothy Hugh LAKE

Witnessed

PRINT WITNESS NAME

Dated: _____

Mark O'MALLEY

Witnessed

PRINT WITNESS NAME

Dated: _____
Oliver Paul TAYLOR

Witnessed

PRINT WITNESS NAME

Dated: _____
David John Roach WILLIAMS


Witnessed

PRINT WITNESS NAME

Agreed for POWERTRAIN TECHNOLOGIES LIMITED :

Dated : _____ (signed) _____
(print name) _____
(print title/position) _____

Agreed for PETER BRETT CONSULTING LIMITED :

Dated : 1-11-2016 (signed) 
(print name) P. S. BRETT
(print title/position) DIRECTOR

Agreed for BP INTERNATIONAL LIMITED:

Dated: _____ (signed) _____
(print name) _____
By Power of Attorney

Agreed for BP OIL UK LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney

Agreed for LUBRICANTS UK LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney

Accepted for CASTROL LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney

ASSIGNMENT

WHEREAS WE, Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR and David John Roach WILLIAMS all of British nationality, residing at Shropham, Norfolk, United Kingdom; Reading, Berkshire, United Kingdom; Moulsoford, Oxfordshire, United Kingdom; Steyning, West Sussex, United Kingdom; Grundisburgh, Suffolk, United Kingdom; Reading, Berkshire, United Kingdom and Reading Berkshire, United Kingdom, respectively, have made an invention relating to Fluid System and Method, which is the subject of BP Patent Case No.500690 filed on 21 May 2014 under PCT Application No. PCT/GB2014/051567 (hereinafter the "Invention"); and

WHEREAS I, Andrew Philip BARNES, when contributing to said Invention and improvements thereto was a director of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Peter Stuart BRETT, when contributing to said Invention and improvements thereto was a director of PETER BRETT CONSULTING LIMITED registered in England and Wales with company number 07701347 and having a registered office at 4 Blenheim Road, Caversham, Reading, Berkshire, RG4 7RS, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Steven Paul GOODIER, when contributing to said Invention and improvements thereto was an employee of LUBRICANTS UK LIMITED registered in England and Wales with company number 00097216 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Timothy Hugh LAKE when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Mark O'MALLEY, when contributing to said Invention and improvements thereto was an employee of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Oliver Paul TAYLOR when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, David John Roach WILLIAMS when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS WE, Andrew Philip BARNES and Mark O'MALLEY, each acknowledge that all of our rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in POWERTRAIN TECHNOLOGIES LIMITED by contract of employment or through application of law; and

WHEREAS I, Peter Stuart BRETT, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in PETER BRETT CONSULTING LIMITED by contract of employment or through application of law; and

WHEREAS I, Steven Paul GOODIER, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in LUBRICANTS UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Timothy Hugh LAKE, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Oliver Paul TAYLOR, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, David John Roach WILLIAMS, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS by an agreement number 78259 (hereinafter the "78259" Services Agreement) for the provision of services (as defined in said 78259 Agreement) to CASTROL LIMITED by POWERTRAIN TECHNOLOGIES LIMITED it was agreed that all rights, title, and interest in and to information (as defined in said 78259 Agreement) arising in respect of the services and all Intellectual Rights (as defined in said 78259 Agreement) based, in whole or in part, on the information arising in respect of the Services and/or in connection with or pursuant of the Services and/or provision of the Deliverables (as defined in said 78259 Agreement), including but not limited to, all improvements, developments and modifications thereof shall vest in CASTROL LIMITED and

WHEREAS by an agreement dated 25th August 2011 between PETER BRETT CONSULTING LIMITED having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347 and CASTROL LIMITED, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide consultancy and development services to CASTROL LIMITED and it was agreed that all Intellectual Property rights based, in whole or part, on the information arising in respect of those services shall vest in CASTROL LIMITED; and

by an agreement dated 26th April 2012 between Harvey Nash plc whose registered office is at 13 Bruton Street, London W1J 6QA, United Kingdom and PETER BRETT CONSULTING LIMITED, having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide engineering consultancy services to LUBRICANTS UK LIMITED and BP INTERNATIONAL LIMITED having a registered office at Chertsey Road, Sunbury on Thames, Middlesex, TW16 7BP, United Kingdom and being registered in England and Wales with company number 542515 (together the "Client") and it was agreed that the Client owns all right, title and interest in and to the inventions and intellectual property rights arising from said services; and

WHEREAS it is the wish of all the parties that the entire right, title and interest in, to and under the said Invention and any improvements thereon and the right to file patent applications therefor in any and all countries of the world, any and all patent applications therefor in the USA and all other countries of the world, and any and all Letters Patent which may be issued thereupon in the USA and all other countries of the world, shall vest solely in said CASTROL LIMITED having a registered office at Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom and being registered in England and Wales with company number 14935;

NOW THEREFORE, to the extent that specific assignment of the Invention and/or improvements thereon and the right to file patent applications therefor in any country of the world is needed for the purpose of recording or registration in any patent office, industrial property office or like governmental authority, WE, the said Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR, David John Roach WILLIAMS, POWERTRAIN TECHNOLOGIES LIMITED, PETER BRETT CONSULTING LIMITED, BP INTERNATIONAL LIMITED, BP OIL UK LIMITED and LUBRICANTS UK LIMITED for valuable consideration, the receipt and adequacy of which we hereby acknowledge, agree to sell, assign, transfer and set over, and by these presents do hereby sell, assign, transfer and set over, unto CASTROL LIMITED, its successors and assigns, and CASTROL LIMITED agrees to accept and hereby does accept, the entire right, title and interest in to and under the said Invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to PCT Application No. PCT/GB2014/051567) for the said Invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to PCT Application No. PCT/GB2014/051567) and Letters Patent for said Invention and improvements in the USA and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 21 May 2014.

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said Invention and any improvements thereon, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said Invention and any improvements thereon in the USA and all other countries of the world.

Dated: _____

Andrew Philip BARNES

Witnessed

PRINT WITNESS NAME


Dated: _____

Peter Stuart BRETT

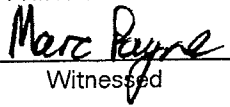
Witnessed

PRINT WITNESS NAME

Dated: 5/11/14



Steven Paul GOODIER


Witnessed

MARC PAYNE
PRINT WITNESS NAME

Dated: _____

Timothy Hugh LAKE

Witnessed

PRINT WITNESS NAME

Dated: _____

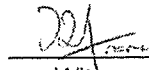
Mark O'MALLEY

Witnessed

PRINT WITNESS NAME

Dated: 31/10/16

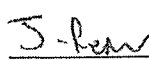

Oliver Paul TAYLOR

 31/10/16
Witnessed

KRISHAN ARORA
PRINT WITNESS NAME

Dated: 1/Nov/16


David John Roach WILLIAMS


Witnessed

JOHN REDSHAW
PRINT WITNESS NAME


Agreed for POWERTRAIN TECHNOLOGIES LIMITED :

Dated : _____ (signed) _____
(print name) _____
(print title/position) _____

Agreed for PETER BRETT CONSULTING LIMITED :

Dated : _____ (signed) _____
(print name) _____
(print title/position) _____

Agreed for BP INTERNATIONAL LIMITED:

Dated: 9/1/2017 (signed) 
(print name) MATTHEW BOLSOVER
By Power of Attorney

Agreed for BP OIL UK LIMITED:

Dated: 9/1/2017

(signed) 

(print name) MATTHEW BOSVOR

By Power of Attorney

Agreed for LUBRICANTS UK LIMITED:

Dated: 9/1/2017

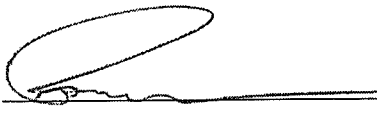
(signed) 

(print name) MATTHEW BOSVOR

By Power of Attorney

Accepted for CASTROL LIMITED:

Dated: 9/1/2017

(signed) 

(print name) MATTHEW BOSVOR

By Power of Attorney

ASSIGNMENT

WHEREAS WE, Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR and David John Roach WILLIAMS all of British nationality, residing at Shropham, Norfolk, United Kingdom; Reading, Berkshire, United Kingdom; Moulsoford, Oxfordshire, United Kingdom; Steyning, West Sussex, United Kingdom; Grundisburgh, Suffolk, United Kingdom; Reading, Berkshire, United Kingdom and Reading Berkshire, United Kingdom, respectively, have made an invention relating to Fluid System and Method, which is the subject of BP Patent Case No.500690 filed on 21 May 2014 under PCT Application No. PCT/GB2014/051567 (hereinafter the "Invention"); and

WHEREAS I, Andrew Philip BARNES, when contributing to said Invention and improvements thereto was a director of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Peter Stuart BRETT, when contributing to said Invention and improvements thereto was a director of PETER BRETT CONSULTING LIMITED registered in England and Wales with company number 07701347 and having a registered office at 4 Blenheim Road, Caversham, Reading, Berkshire, RG4 7RS, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Steven Paul GOODIER, when contributing to said Invention and improvements thereto was an employee of LUBRICANTS UK LIMITED registered in England and Wales with company number 00097216 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Timothy Hugh LAKE when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Mark O'MALLEY, when contributing to said Invention and improvements thereto was an employee of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Oliver Paul TAYLOR when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, David John Roach WILLIAMS when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS WE, Andrew Philip BARNES and Mark O'MALLEY, each acknowledge that all of our rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in POWERTRAIN TECHNOLOGIES LIMITED by contract of employment or through application of law; and

WHEREAS I, Peter Stuart BRETT, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in PETER BRETT CONSULTING LIMITED by contract of employment or through application of law; and

WHEREAS I, Steven Paul GOODIER, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in LUBRICANTS UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Timothy Hugh LAKE, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Oliver Paul TAYLOR, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, David John Roach WILLIAMS, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS by an agreement number 78259 (hereinafter the "78259" Services Agreement) for the provision of services (as defined in said 78259 Agreement) to CASTROL LIMITED by POWERTRAIN TECHNOLOGIES LIMITED it was agreed that all rights, title, and interest in and to information (as defined in said 78259 Agreement) arising in respect of the services and all Intellectual Rights (as defined in said 78259 Agreement) based, in whole or in part, on the information arising in respect of the Services and/or in connection with or pursuance of the Services and/or provision of the Deliverables (as defined in said 78259 Agreement), including but not limited to, all improvements, developments and modifications thereof shall vest in CASTROL LIMITED and

WHEREAS by an agreement dated 25th August 2011 between PETER BRETT CONSULTING LIMITED having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347 and CASTROL LIMITED, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide consultancy and development services to CASTROL LIMITED and it was agreed that all Intellectual Property rights based, in whole or part, on the information arising in respect of those services shall vest in CASTROL LIMITED; and

by an agreement dated 26th April 2012 between Harvey Nash plc whose registered office is at 13 Bruton Street, London W1J 6QA, United Kingdom and PETER BRETT CONSULTING LIMITED, having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide engineering consultancy services to LUBRICANTS UK LIMITED and BP INTERNATIONAL LIMITED having a registered office at Chertsey Road, Sunbury on Thames, Middlesex, TW16 7BP, United Kingdom and being registered in England and Wales with company number 542515 (together the "Client") and it was agreed that the Client owns all right, title and interest in and to the inventions and intellectual property rights arising from said services; and

WHEREAS it is the wish of all the parties that the entire right, title and interest in, to and under the said Invention and any improvements thereon and the right to file patent applications therefor in any and all countries of the world, any and all patent applications therefor in the USA and all other countries of the world, and any and all Letters Patent which may be issued thereupon in the USA and all other countries of the world, shall vest solely in said CASTROL LIMITED having a registered office at Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom and being registered in England and Wales with company number 14935;

NOW THEREFORE, to the extent that specific assignment of the Invention and/or improvements thereon and the right to file patent applications therefor in any country of the world is needed for the purpose of recording or registration in any patent office, industrial property office or like governmental authority, WE, the said Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR, David John Roach WILLIAMS, POWERTRAIN TECHNOLOGIES LIMITED, PETER BRETT CONSULTING LIMITED, BP INTERNATIONAL LIMITED, BP OIL UK LIMITED and LUBRICANTS UK LIMITED for valuable consideration, the receipt and adequacy of which we hereby acknowledge, agree to sell, assign, transfer and set over, and by these presents do hereby sell, assign, transfer and set over, unto CASTROL LIMITED, its successors and assigns, and CASTROL LIMITED agrees to accept and hereby does accept, the entire right, title and interest in to and under the said Invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to PCT Application No. PCT/GB2014/051567) for the said Invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to PCT Application No. PCT/GB2014/051567) and Letters Patent for said Invention and improvements in the USA and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 21 May 2014.

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said Invention and any improvements thereon, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said Invention and any improvements thereon in the USA and all other countries of the world.

Dated: _____

Andrew Philip BARNES

Witnessed

PRINT WITNESS NAME

Dated: _____

Peter Stuart BRETT

Witnessed

PRINT WITNESS NAME

Dated: _____

Steven Paul GOODIER

Witnessed

PRINT WITNESS NAME

Dated: 3 Nov 16



Timothy Hugh LAKE



Witnessed



PRINT WITNESS NAME

Dated: _____

Mark O'MALLEY

Witnessed

PRINT WITNESS NAME

Dated: _____

Oliver Paul TAYLOR

Witnessed

PRINT WITNESS NAME

Dated: _____

David John Roach WILLIAMS

Witnessed

PRINT WITNESS NAME

Agreed for POWERTRAIN TECHNOLOGIES LIMITED :

Dated : _____ (signed) _____
(print name) _____
(print title/position) _____

Agreed for PETER BRETT CONSULTING LIMITED :

Dated : _____ (signed) _____
(print name) _____
(print title/position) _____

Agreed for BP INTERNATIONAL LIMITED:

Dated: _____ (signed) _____
(print name) _____
By Power of Attorney

Agreed for BP OIL UK LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney

Agreed for LUBRICANTS UK LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney

Accepted for CASTROL LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney

ASSIGNMENT

WHEREAS, WE, Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR and David John Roach WILLIAMS all of British nationality, residing at Shropham, Norfolk, United Kingdom; Reading, Berkshire, United Kingdom; Moulsoford, Oxfordshire, United Kingdom; Steyning, West Sussex, United Kingdom; Grundisburgh, Suffolk, United Kingdom; Reading, Berkshire, United Kingdom and Reading Berkshire, United Kingdom, respectively, have made an invention relating to Fluid System and Method, which is the subject of BP Patent Case No.500690 filed on 21 May 2014 under PCT Application No. PCT/GB2014/051567 (hereinafter the "Invention"); and

WHEREAS I, Andrew Philip BARNES, when contributing to said Invention and improvements thereto was a director of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Peter Stuart BRETT, when contributing to said Invention and improvements thereto was a director of PETER BRETT CONSULTING LIMITED registered in England and Wales with company number 07701347 and having a registered office at 4 Blenheim Road, Caversham, Reading, Berkshire, RG4 7RS, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Steven Paul GOODIER, when contributing to said Invention and improvements thereto was an employee of LUBRICANTS UK LIMITED registered in England and Wales with company number 00097216 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Timothy Hugh LAKE when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Mark O'MALLEY, when contributing to said Invention and improvements thereto was an employee of POWERTRAIN TECHNOLOGIES LIMITED registered in England and Wales with company number 02574270 and having a registered office at 3-4 Chalk Lane, Snetterton, Norwich, Norfolk, NR16 2JZ, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, Oliver Paul TAYLOR when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS I, David John Roach WILLIAMS when contributing to said Invention and improvements thereto was an employee of BP OIL UK LIMITED registered in England and Wales with company number 446915 and having a registered office at Chertsey Road, Sunbury on Thames, Middlesex TW16 7BP, United Kingdom and am joint inventor of said Invention; and

WHEREAS WE, Andrew Philip BARNES and Mark O'MALLEY, each acknowledge that all of our rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in POWERTRAIN TECHNOLOGIES LIMITED by contract of employment or through application of law; and

WHEREAS I, Peter Stuart BRETT, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in PETER BRETT CONSULTING LIMITED by contract of employment or through application of law; and

WHEREAS I, Steven Paul GOODIER, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in LUBRICANTS UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Timothy Hugh LAKE, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, Oliver Paul TAYLOR, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS I, David John Roach WILLIAMS, acknowledge that all of my rights in said Invention and improvements thereto and the right to file patent applications therefor in any and all countries of the world and to any and all patent applications therefor and any Letters Patent which may be issued thereupon in any and all countries of the world have vested in BP OIL UK LIMITED by contract of employment or through application of law; and

WHEREAS by an agreement number 78259 (hereinafter the "78259" Services Agreement) for the provision of services (as defined in said 78259 Agreement) to CASTROL LIMITED by POWERTRAIN TECHNOLOGIES LIMITED it was agreed that all rights, title, and interest in and to information (as defined in said 78259 Agreement) arising in respect of the services and all Intellectual Rights (as defined in said 78259 Agreement) based, in whole or in part, on the information arising in respect of the Services and/or in connection with or pursuance of the Services and/or provision of the Deliverables (as defined in said 78259 Agreement), including but not limited to, all improvements, developments and modifications thereof shall vest in CASTROL LIMITED and

WHEREAS by an agreement dated 25th August 2011 between PETER BRETT CONSULTING LIMITED having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347 and CASTROL LIMITED, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide consultancy and development services to CASTROL LIMITED and it was agreed that all Intellectual Property rights based, in whole or part, on the information arising in respect of those services shall vest in CASTROL LIMITED; and

by an agreement dated 26th April 2012 between Harvey Nash plc whose registered office is at 13 Bruton Street, London W1J 6QA, United Kingdom and PETER BRETT CONSULTING LIMITED, having a registered address at 4 Blenheim Road, Caversham, Reading, RG4 7RS, United Kingdom and being registered in England and Wales with company number 07701347, Peter Stuart BRETT, a director of PETER BRETT CONSULTING LIMITED agreed to provide engineering consultancy services to LUBRICANTS UK LIMITED and BP INTERNATIONAL LIMITED having a registered office at Chertsey Road, Sunbury on-Thames, Middlesex, TW16 7BP, United Kingdom and being registered in England and Wales with company number 542515 (together the "Client") and it was agreed that the Client owns all right, title and interest in and to the inventions and intellectual property rights arising from said services; and

WHEREAS it is the wish of all the parties that the entire right, title and interest in, to and under the said Invention and any improvements thereon and the right to file patent applications therefor in any and all countries of the world, any and all patent applications therefor in the USA and all other countries of the world, and any and all Letters Patent which may be issued thereupon in the USA and all other countries of the world, shall vest solely in said CASTROL LIMITED having a registered office at Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom and being registered in England and Wales with company number 14935;

NOW THEREFORE, to the extent that specific assignment of the Invention and/or improvements thereon and the right to file patent applications therefor in any country of the world is needed for the purpose of recording or registration in any patent office, industrial property office or like governmental authority, WE, the said Andrew Philip BARNES, Peter Stuart BRETT, Steven Paul GOODIER, Timothy Hugh LAKE, Mark O'MALLEY, Oliver Paul TAYLOR, David John Roach WILLIAMS, POWERTRAIN TECHNOLOGIES LIMITED, PETER BRETT CONSULTING LIMITED, BP INTERNATIONAL LIMITED, BP OIL UK LIMITED and LUBRICANTS UK LIMITED for valuable consideration, the receipt and adequacy of which we hereby acknowledge, agree to sell, assign, transfer and set over, and by these presents do hereby sell, assign, transfer and set over, unto CASTROL LIMITED, its successors and assigns, and CASTROL LIMITED agrees to accept and herby does accept, the entire right, title and interest in to and under the said Invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to PCT Application No. PCT/GB2014/051567) for the said Invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to PCT Application No. PCT/GB2014/051567) and Letters Patent for said Invention and improvements in the USA and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 21 May 2014.

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said Invention and any improvements thereon, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said Invention and any improvements thereon in the USA and all other countries of the world.

Dated: _____
Andrew Philip BARNES

Witnessed

PRINT WITNESS NAME

Dated: _____
Peter Stuart BRETT

Witnessed

PRINT WITNESS NAME

Dated: _____
Steven Paul GOODIER

Witnessed

PRINT WITNESS NAME

Dated: _____
Timothy Hugh LAKE

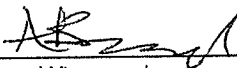
Witnessed

PRINT WITNESS NAME

Dated: 7/1/17



Mark O'MALLEY



Witnessed

ANNA-KARIN BERGLUND
PRINT WITNESS NAME

Dated: _____

Oliver Paul TAYLOR

Witnessed

PRINT WITNESS NAME

Dated: _____

David John Roach WILLIAMS

Witnessed

PRINT WITNESS NAME

Agreed for POWERTRAIN TECHNOLOGIES LIMITED :

Dated : _____ (signed) _____
(print name) _____
(print title/position) _____

Agreed for PETER BRETT CONSULTING LIMITED :

Dated : _____ (signed) _____
(print name) _____
(print title/position) _____

Agreed for BP INTERNATIONAL LIMITED:

Dated: _____ (signed) _____
(print name) _____
By Power of Attorney

Agreed for BP OIL UK LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney

Agreed for LUBRICANTS UK LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney

Accepted for CASTROL LIMITED:

Dated: _____ (signed) _____

(print name) _____

By Power of Attorney