

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5220664

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BYRON WICKS	05/21/2018
DIRK HUMMEL	07/26/2018
THOMAS BOOS	07/24/2018
RECEIVING PARTY DATA	
Name:	ORICA INTERNATIONAL PTE LTD
Street Address:	78 SHENTON WAY
Internal Address:	#06-15 TOWER 2
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	079120
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15761061
CORRESPONDENCE DATA	
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<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>	
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ATTORNEY DOCKET NUMBER:	DAVI-051/00US 040722-2082
NAME OF SUBMITTER:	LAWRENCE J. TEAGUE
SIGNATURE:	/Lawrence J. Teague/
DATE SIGNED:	11/02/2018
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, I/WE

Byron WICKS, of C/- Orica International Pte Ltd, 78 Shenton Way, 06-15 Tower 2 079120, Singapore

Dirk HUMMEL, of C/- Orica International Pte Ltd, 78 Shenton Way, 06-15 Tower 2 079120, Singapore

Thomas BOOS, of C/- Orica International Pte Ltd, 78 Shenton Way, 06-15 Tower 2 079120, Singapore

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in "**Wireless initiation device**"

the specification of which:

- (a) ☐ was executed on even date herewith;
(b) ☒ was filed on **16 March 2018** as United States Patent Application No. **15/761061**
or
☐ Express Mail No., as Application No. not yet known _____
and was amended on _____ (if applicable); or
(c) ☐ was described and claimed in PCT International Application
No. PCT/AU / filed on _____ and as amended under PCT Article
19 on _____ (if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS,

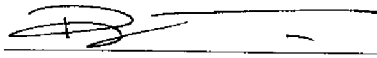
Orica International Pte Ltd, of 78 Shenton Way, #06-15 Tower 2, 079120, Singapore

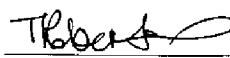
(hereinafter referred to as Assignee) desires to acquire the entire rights, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 21st day of MAY, 2018 
Signature of **Byron WICKS**



Witness

This _____ day of _____, 20____
Signature of **Dirk HUMMEL**

Witness

This _____ day of _____, 20____
Signature of **Thomas BOOS**

Witness

ASSIGNMENT

WHEREAS, I/WE

Byron WICKS, of 344 Lawrence Road, Alamy Creek NSW, 2460, Australia

Dirk HUMMEL, of Orica Europe Pty Ltd & Co KG, Muelheimer Str. 5, 53840, Troisdorf, Germany

Thomas BOOS, of Orica Europe Pty Ltd & Co KG, Muelheimer Str. 5, 53840, Troisdorf, Germany

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in **"Wireless initiation device"**

the specification of which:

- (a) ☐ was executed on even date herewith;
(b) ☒ was filed on **16 March 2018** as United States Patent Application No. **15/761061**
or
☐ Express Mail No., as Application No. not yet known _____
and was amended on _____ (if applicable); or
(c) ☐ was described and claimed in PCT International Application
No. PCT/AU ____ / ____ filed on _____ and as amended under PCT Article
19 on _____ (if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS,

Orica International Pte Ltd, of 78 Shenton Way, #06-15 Tower 2, 079120, Singapore

(hereinafter referred to as Assignee) desires to acquire the entire rights, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This _____ day of _____, 20____

Signature of **Byron WICKS**

Witness

This 26 day of July, 2018 Dirk Hummel
Signature of **Dirk HUMMEL**

Dirk Hummel
Witness

This 24 day of July, 2018 Thomas Boos
Signature of **Thomas BOOS**

Dirk Hummel
Witness