

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5136794

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RODNEY APPLEBY	07/11/2018
DAVID JOHNSON	09/11/2018
RICHARD GOODRIDGE	07/09/2018
BYRON WICKS	07/09/2018
RECEIVING PARTY DATA	
Name:	ORICA INTERNATIONAL PTD 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:	15129368
CORRESPONDENCE DATA	
Fax Number:	(312)977-4405
<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>	
Email:	ldstewart@nixonpeabody.com
Correspondent Name:	NIXON PEABODY LLP
Address Line 1:	70 WEST MADISON STREET, SUITE 3500
Address Line 2:	C/O WAYNE L. TANG
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ATTORNEY DOCKET NUMBER:	743414-700010USPX
NAME OF SUBMITTER:	WAYNE L. TANG
SIGNATURE:	/Wayne L. Tang--Reg. No. 36028/
DATE SIGNED:	09/12/2018
Total Attachments: 5	
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ASSIGNMENT

WHEREAS, I/WE

Rodney APPLEBY, an Australian citizen of 19 Norton Drive, Shailer Park, Queensland 4128, Australia

David JOHNSON, a United States citizen of 25328, East Costilla Place, Aurora, Colorado 80016, United States of America

Richard GOODRIDGE, an Australian citizen of 30 Cowlshaw Street, Redhead, New South Wales 2290, Australia

Byron WICKS, an Australian citizen of 344 Lawrence Road, Alummy Creek, New South Wales 2460, Australia

Hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in **Apparatus, system and method for blasting**

the specification of which:

- (a) was executed on even date herewith;
- (b) was filed on **26 September 2016** as United States Patent Application No. 15/129,368
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. _____ 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

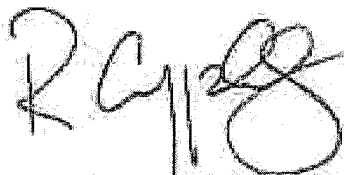
(hereinafter referred to as Assignee) desires to acquire the entire rights, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

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 11th day of July, 2018



Signature of Rodney APPLEBY

Witness 

This _____ day of _____, 20__

Signature of David JOHNSON

Witness _____

This _____ day of _____, 20__

Signature of Richard GOODRIDGE

Witness _____

This _____ day of _____, 20__

Signature of Byron WICKS

Witness _____

This _____ day of _____, 20__

Signature of **Rodney APPLEBY**

Witness

This 11 day of September, 2018



Witness



Signature of **David JOHNSON**

This _____ day of _____, 20__

Signature of **Richard GOODRIDGE**

Witness

This _____ day of _____, 20__

Signature of **Byron WICKS**

Witness

This _____ day of _____, 20__

Signature of **Rodney APPLEBY**

Witness

This _____ day of _____, 20__

Signature of **David JOHNSON**

Witness

This 9th day of July, 2018



Signature of **Richard GOODRIDGE**



Witness

This _____ day of _____, 20__

Signature of **Byron WICKS**

Witness

This _____ day of _____, 20__

Signature of **Rodney APPLEBY**

Witness _____

This _____ day of _____, 20__

Signature of **David JOHNSON**

Witness _____

This _____ day of _____, 20__

Signature of **Richard GOODRIDGE**

Witness _____

This 09TH day of JULY, 2018



Signature of **Byron WICKS**

Witness 