

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | |
|--|-------------------------------------|---------------|-------------------------------------|------------------------|--------------------|------------------------|---------------------|-----------------------|------------|---------------------|------------|---------------|------------|--------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>THOMAS SMYLYE</td> <td>09/20/2010</td> </tr> <tr> <td>RICHARD JOHN GOODRIDGE</td> <td>09/03/2010</td> </tr> <tr> <td>DEANE TUNALEY</td> <td>09/20/2010</td> </tr> <tr> <td>STEVEN KOTSONIS</td> <td>09/23/2010</td> </tr> <tr> <td>LES ARMSTRONG</td> <td>09/23/2010</td> </tr> <tr> <td>BRAD BEIKOFF</td> <td>09/27/2010</td> </tr> </tbody> </table> | | Name | Execution Date | THOMAS SMYLYE | 09/20/2010 | RICHARD JOHN GOODRIDGE | 09/03/2010 | DEANE TUNALEY | 09/20/2010 | STEVEN KOTSONIS | 09/23/2010 | LES ARMSTRONG | 09/23/2010 | BRAD BEIKOFF | 09/27/2010 |
| Name | Execution Date | | | | | | | | | | | | | | |
| THOMAS SMYLYE | 09/20/2010 | | | | | | | | | | | | | | |
| RICHARD JOHN GOODRIDGE | 09/03/2010 | | | | | | | | | | | | | | |
| DEANE TUNALEY | 09/20/2010 | | | | | | | | | | | | | | |
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| LES ARMSTRONG | 09/23/2010 | | | | | | | | | | | | | | |
| BRAD BEIKOFF | 09/27/2010 | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>ORICA EXPLOSIVES TECHNOLOGY PTY LTD</td> </tr> <tr> <td>Street Address:</td> <td>1 NICHOLSON STREET</td> </tr> <tr> <td>City:</td> <td>MELBOURNE, VICTORIA</td> </tr> <tr> <td>State/Country:</td> <td>AUSTRALIA</td> </tr> <tr> <td>Postal Code:</td> <td>3000</td> </tr> </table> | | Name: | ORICA EXPLOSIVES TECHNOLOGY PTY LTD | Street Address: | 1 NICHOLSON STREET | City: | MELBOURNE, VICTORIA | State/Country: | AUSTRALIA | Postal Code: | 3000 | | | | |
| Name: | ORICA EXPLOSIVES TECHNOLOGY PTY LTD | | | | | | | | | | | | | | |
| Street Address: | 1 NICHOLSON STREET | | | | | | | | | | | | | | |
| City: | MELBOURNE, VICTORIA | | | | | | | | | | | | | | |
| State/Country: | AUSTRALIA | | | | | | | | | | | | | | |
| Postal Code: | 3000 | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12865670</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12865670 | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 12865670 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
| <p>Fax Number: (202)824-3001</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-824-3000</p> <p>Email: tkoller@bannerwitcoff.com</p> <p>Correspondent Name: BANNER & WITCOFF, LTD.</p> <p>Address Line 1: 1100 13th STREET, N.W.</p> <p>Address Line 2: SUITE 1200</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-4051</p> | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 004244.00010 | | | | | | | | | | | | | | |

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PATENT
REEL: 025354 FRAME: 0803

NAME OF SUBMITTER:

Fraser D. Brown

Total Attachments: 4

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ASSIGNMENT

WHEREAS, I/WE

Thomas SMYLIE, an Australian citizen of Orica Mining Services, PO Box 196, Kurri Kurri, New South Wales, 2327, Australia;
Richard John GOODRIDGE, an Australian citizen of Mining Services, Orica Australia Pty Ltd, PO Box 196, George Booth Drive, Kurri Kurri, New South Wales, 2327, Australia;
Deane TUNALEY, an Australian citizen of Orica Mining Services, PO Box 196, Kurri Kurri, New South Wales, 2327, Australia;
Steven KOTSONIS, an Australian citizen of Orica Mining Services, PO Box 196, Kurri Kurri, New South Wales, 2327, Australia;
Les ARMSTRONG, an Australian citizen of Orica Mining Services, PO Box 196, Kurri Kurri, New South Wales, 2327, Australia;
Brad BEIKOFF, an Australian citizen of Sellars St, Karana Downs, Queensland, 4306, Australia

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in " Deactivating an explosive composition using plants" the specification of which:

- (a) ☐ was executed on even date herewith;
(b) ☐ was filed on _____ as ☐ Application No. _____
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/AU2009/000119 filed on February 2, 1009 and as amended under PCT Article 19 on _____ (if any) and/or under PCT Article 34 on February 24, 2010 (if any).

AND WHEREAS,

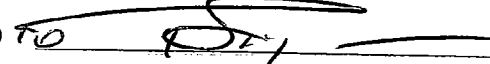
Orica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbourne, Victoria, 3000, Australia

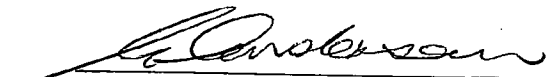
(hereinafter referred to as Assignee) desires to acquire the entire rights, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

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.

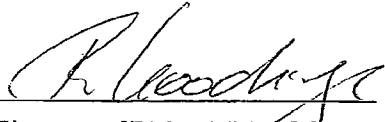
AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, 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.

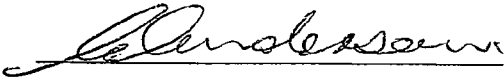
IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 20 day of SEPTEMBER, 2010 
Signature of Thomas SMYLIE

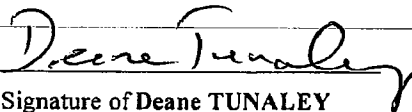

Witness

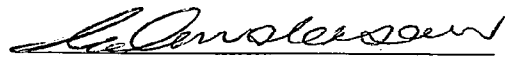
This 3 day of September, 2010


Signature of Richard John GOODRIDGE



Witness

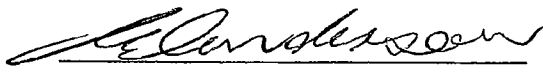
This 20th day of September, 2010


Signature of Deane TUNALEY

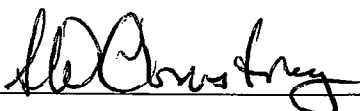

Witness

This 23rd day of September, 2010


Signature of Steven KOTSONIS


Witness

This 23rd day of September, 2010


Signature of Les ARMSTRONG


Witness

This _____ day of _____, 20____

Signature of Brad BEIKOFF

Witness

ASSIGNMENT

WHEREAS, I/WE

Thomas SMYLIE, an Australian citizen of Orica Mining Services, PO Box 196, Kurri Kurri, New South Wales, 2327, Australia;
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(a) ☐ was executed on even date herewith;

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or

☐ Express Mail No., as Application No. not yet known _____ and was amended on _____ (if applicable); or

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(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 **Thomas SMYLIE**

Witness

This _____ day of _____, 20 _____

Signature of **Richard John GOODRIDGE**

Witness

This _____ day of _____, 20 _____

Signature of **Deane TUNALEY**

Witness

This _____ day of _____, 20 _____

Signature of **Steven KOTSONIS**

Witness

This _____ day of _____, 20 _____

Signature of **Les ARMSTRONG**

Witness

This 27th day of SEPTEMBER, 2010


Signature of **Brad BEIKOFF**


Witness

BELINDA BEIKOFF-BEAY