PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS SMYLIE	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

RECEIVING PARTY DATA

Name:	ORICA EXPLOSIVES TECHNOLOGY PTY LTD	
Street Address:	1 NICHOLSON STREET	
City:	MELBOURNE, VICTORIA	
State/Country:	AUSTRALIA	
Postal Code:	Code: 3000	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12865670

CORRESPONDENCE DATA

Fax Number: (202)824-3001

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

202-824-3000 Phone:

Email: tkoller@bannerwitcoff.com Correspondent Name: BANNER & WITCOFF, LTD. Address Line 1: 1100 13th STREET, N.W.

SUITE 1200 Address Line 2:

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-4051

ATTORNEY DOCKET NUMBER: 004244.00010

> **PATENT REEL: 025354 FRAME: 0803**

501349660

NAME OF SUBMITTER:	Fraser D. Brown	
Total Attachments: 4		
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PATENT REEL: 025354 FRAME: 0804

US PATENT Attorney Docket Number

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,

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) (b) or	[]	cuted on even date herewith; was filed onas [] Application No
(c)	[X]	[] Express Mail No., as Application No. not yet known and was amended on (if applicable); or 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 WHERE	EAS,	(
		logy Pty Ltd, of 1 Nicholson Street, Melbourne, Victoria, 3000, Australia
(hereinafter -	-f	

(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.

Signature of Thomas SMYLIE

Witness

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This 3 day of September 10	Signature of Richard John GOODRIDGE
This _ 20 day of September 2010	Signature of Deane TUNALEY
Mitness Witness	
This 23th day of Septentions	Signature of Steven KOTSONIS
This 23 rd day of September, 20	Signature of Les ARMSTRONG
Witness	
Thisday of, 20	Signature of Brad BEIKOFF
Witness	

US PATENT Attorney Docket Number

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,

Les ARMSTRONG, an Australian citizen of Orica Mining Services, PO Box 196, Kurri Kurri, New South Wales, 2327, Australia;

(a) [] was executed on even date herewith; (b) [] was filed onas [] Application or amended onas [] Express Mail No., as Application No. It amended on(if any) and claimed in PCT Internations. No. PCT/AU2009/000119 filed on Februar on(if any) and/or under PCT A (if any). AND WHEREAS, Orica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melbotonica Explosives In the United States of America, and its 1 improvements, and any Patent Applications in the United States of America extensions thereof, and all Patents of the United States of America extensions thereof, and all Patents of the United States of America extensions thereof, and all rights of priority under International Corquests the Commissioner of Patents of the United States of America extensions thereof, and all rights of priority under International Corquests the Commissioner of Patents of the United States of America extensions thereof, and all Patents of the United States of America, and its 1 improvements and assigns, in accordan AND ASSIGNOR HEREBY covenants and agrees that it were researched the United States of America, and its 1 improvements, and 1 improvements,	ntor is listed above), have invented certain new asing plants"
(b) [] was filed onas [] Application or [] Express Mail No., as Application No. ramended on (if any) and claimed in PCT Internation No. PCT/AU2009/000119 filed on Februar on (if any) and/or under PCT A (if any). AND WHEREAS, Orica Explosives Technology Pty Ltd, of 1 Nicholson Street, Melboton (hereinafter referred to as Assignee) desires to acquire the entire right improvements with respect to the United States of America, its territor NOW, THEREFOR, for good and valuable consideration, acknowledged, Assignor hereby acknowledges that it has sold, assign does hereby sell, assign, transfer and set over, unto Assignee, its succright, title, and interest in the United States of America, and its improvements, and any Patent Applications in the United State continuations thereof, and all Patents of the United States of America extensions thereof, and all rights of priority under International Corequests the Commissioner of Patents of the United States of America extensions thereof, and all rights of priority under International Corequests the Commissioner of Patents of the United States of America extensions thereof, and all representatives and assigns, in accordar AND ASSIGNOR HEREBY covenants and agrees that it were presentatives and assigns, any facts known to it respecting said improvements in the United States of America do everything possible to aid Assignee, its successors, legal representatives and assigns and resisue and everything possible to aid Assignee, its successors, legal representative to be legally bound the continuing and resisue and assigns in the United States of American protection for said improvements in the United States of American protection for said improvements in the United States of American protection for said improvements in the United States of American protection for said improvements in the United States of American protection for said improvements in the United States of American protection for said improvements in the United States of American protectio	
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Thisday of, 20	which may be granted thereon and all reissues and niventions; and Assignor hereby authorizes and ca to issue all Patents for said improvements to be with the terms of this instrument. I communicate to Assignee, its successors, legal provements, and testify in any legal proceeding, oplications, make all rightful oaths and generally atives and assigns.
	nas hereunto affixed its signature.
Signatu	of The Charles Charles In
	e of Thomas SMYLIE

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US PATENT Attorney Docket Number

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 27-14	day of SEPTEMBER	, 20 10	Metaf
	BELLNOA BEIKERF-	e Cay	Signature of Brad BÉÍKOFF

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PATENT REEL: 025354 FRAME: 0808