

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5402661

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JADE PETERSEN	02/25/2019
EMMA MCPHAIL	02/25/2019
JEFF GORE	02/25/2019
RECEIVING PARTY DATA	
Name:	DYNO NOBEL ASIA PACIFIC PTY LIMITED
Street Address:	LEVEL 8
Internal Address:	FRESH WATER PLACE
City:	SOUTHBANK, VICTORIA
State/Country:	AUSTRALIA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16242836
CORRESPONDENCE DATA	
Fax Number:	(801)578-6999
<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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Correspondent Name:	STOEL RIVES LLP - SLC
Address Line 1:	201 SOUTH MAIN STREET, SUITE 1100
Address Line 2:	ONE UTAH CENTER
Address Line 4:	SALT LAKE CITY, UTAH 84111
ATTORNEY DOCKET NUMBER:	68334/201
NAME OF SUBMITTER:	MATTHEW S. BETHARDS
SIGNATURE:	/Matthew S. Bethards/
DATE SIGNED:	03/04/2019
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, Jade Pettersen, of Mt. Thorley Technical Centre, 83 Woodland Road, PMB 17, Singleton, NSW, AU 2330, Emma McPhail, of Mt. Thorley Technical Centre, 83 Woodland Road, PMB 17, Singleton, NSW, AU 2330, and Jeff Gore, of Mt. Thorley Technical Centre, 83 Woodland Road, PMB 17, Singleton, NSW, AU 2330 (each hereinafter "ASSIGNOR"), have made inventions described in a United States patent application entitled EXPLOSIVE COMPOSITIONS FOR USE IN REACTIVE GROUND AND RELATED METHODS, filed with the United States Patent and Trademark Office on January 8, 2019, and allotted Application No. 16/242,836; and

WHEREAS, ASSIGNOR believes himself or herself to be the original inventor or an original joint inventor of the subject matter claimed in said patent application; and

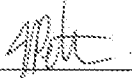
WHEREAS, Dyno Nobel Asia Pacific Pty Limited, an Australia corporation, having a place of business at Level 8, Freshwater Place, Southbank, Victoria, Australia ("ASSIGNEE"), is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, hereby assigns and transfers to ASSIGNEE the full and exclusive right, title, and interest in and to said inventions, said patent application, and any and all patent rights and letters patent for said inventions in the United States of America and elsewhere throughout the world, including provisional rights, foreign patent priority rights, and the right to apply for patents in ASSIGNOR's name or in the name of ASSIGNEE and further including all divisions and continuations of said application and of any foreign patent applications, and all reissues and extensions of patent rights and letters patent for said inventions, all to be held and enjoyed by ASSIGNEE for its own use and benefit, and by its successors and assigns for their own use and benefit, for the full duration of the terms for which patent rights and letters patent may be granted in this or any foreign country, and covenants that ASSIGNOR has full right so to do, and agrees that ASSIGNOR will communicate to ASSIGNEE and its successors and assigns, any facts known to ASSIGNOR respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all lawful divisional, continuation, and reissue applications, make all rightful declarations or oaths, and do everything lawfully possible to aid ASSIGNEE and its successors and assigns, to obtain and enforce proper patent protection for said inventions in the United States of America and elsewhere throughout the world.

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This Assignment is effective as of the respective filing date(s) set forth above.

Executed at MT Tholey, NSW, this 25th day of February, 2019.



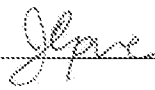
Jade Peltersen

Executed at MT Tholey, NSW, this 25th day of February, 2019



Emma McPhail

Executed at MT Tholey, NSW, this 25th day of February, 2019



Jeff Gore

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