

PATENT ASSIGNMENT

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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>John B. Halander</td> <td>09/09/2010</td> </tr> <tr> <td>Casey L. Nelson</td> <td>09/09/2010</td> </tr> <tr> <td>Clark D. Bonner</td> <td>09/09/2010</td> </tr> </tbody> </table>		Name	Execution Date	John B. Halander	09/09/2010	Casey L. Nelson	09/09/2010	Clark D. Bonner	09/09/2010				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Dyno Nobel, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>2795 East Cottonwood Parkway</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 500</td> </tr> <tr> <td>City:</td> <td>Salt Lake City</td> </tr> <tr> <td>State/Country:</td> <td>UTAH</td> </tr> <tr> <td>Postal Code:</td> <td>84121</td> </tr> </table>		Name:	Dyno Nobel, Inc.	Street Address:	2795 East Cottonwood Parkway	Internal Address:	Suite 500	City:	Salt Lake City	State/Country:	UTAH	Postal Code:	84121
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CORRESPONDENCE DATA													
<p>Fax Number: (801)566-0750</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 801-566-6633</p> <p>Email: howlett@tnw.com</p> <p>Correspondent Name: Johnson/THORPE NORTH & WESTERN, LLP.</p> <p>Address Line 1: P.O. Box 1219</p> <p>Address Line 4: SANDY, UTAH 84091-1219</p>													
ATTORNEY DOCKET NUMBER:	00218-24746.DIV												
NAME OF SUBMITTER:	Christopher L. Johnson												
<p>Total Attachments: 5</p> <p>source=24746DIVAssign#page1.tif</p>													

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WHEN RECORDED RETURN TO:
Christopher L. Johnson
Thorpe North & Western, LLP
P.O. Box 1219
Sandy, UT 84091-1219

Docket No. 00218-24746.DIV

ASSIGNMENT

WHEREAS, we, John B. Halander (resident of the State of Utah, whose postal mailing address is 772 Pontiac Drive, Salt Lake City, UT 84107), Casey L. Nelson (resident of the State of Utah, whose postal mailing address is 6298 South Dellron Drive, Murray, UT 84123), and Clark D. Bonner (resident of the State of Utah, whose postal mailing address is 9026 Windsor Place, West Jordan, UT 84088), (hereinafter "Assignors") have invented a certain new and useful improvement in a **SYSTEM FOR MANUFACTURE AND DELIVERY OF AN EMULSION EXPLOSIVE** for which an application for United States Letters Patent was filed on August 4, 2010 as THORPE NORTH & WESTERN, LLP Docket No. 00218-24746.DIV, and given U.S. Patent Application Serial No.12/850,566; and:

WHEREAS, Dyno Nobel, Inc., a corporation, organized and existing under the laws of the State of Utah, having a business address of 2795 East Cottonwood Parkway, Suite 500 Salt Lake City, UT 84121, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said

invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; and cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissue, extension, and infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

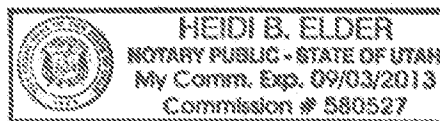
Executed this 9th day of September, 2010 at West Jordan
Utah (place)

John B. Halander
John B. Halander

STATE OF UTAH)
County of SALT LAKE) : ss

Before me personally appeared John B. Halander and acknowledged the foregoing
instrument to be his free act and deed this 9th day of Sept., 2010.

Heidi B. Elder
Notary Public



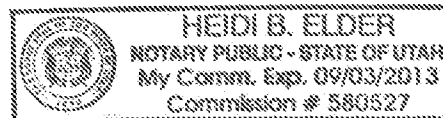
Executed this 9TH day of SEPTEMBER, 2010 at WEST JORDAN UTAH
_____(place)

Casey L. Nelson
Casey L. Nelson

STATE OF UTAH)
County of SALT LAKE) ; ss

Before me personally appeared Casey L. Nelson and acknowledged the foregoing
instrument to be his free act and deed this 9th day of Sept., 2010.

Heidi B. Elder
Notary Public



Executed this 9th day of September, 2010 at West Jordan
Utah (place)

Clark D. Bonner
Clark D. Bonner

STATE OF UTAH)
County of SALT LAKE : ss

Before me personally appeared Clark D. Bonner and acknowledged the foregoing
instrument to be his free act and deed this 9th day of Sept., 2010.

Heidi B. Elder
Notary Public

