

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Dirk Hummel</td><td>03/13/2008</td></tr><tr><td>Charles Michael Lownds</td><td>03/06/2008</td></tr></tbody></table>	Name	Execution Date	Dirk Hummel	03/13/2008	Charles Michael Lownds	03/06/2008	
Name	Execution Date						
Dirk Hummel	03/13/2008						
Charles Michael Lownds	03/06/2008						
RECEIVING PARTY DATA							
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12031956</td></tr></tbody></table>	Property Type	Number	Application Number:	12031956			
Property Type	Number						
Application Number:	12031956						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Jeffrey E. Buchholz						
Total Attachments: 4 source=AssignmentKEGB0002#page1.tif source=AssignmentKEGB0002#page2.tif source=AssignmentKEGB0002#page3.tif							

OP \$40.00 12031956

PATENT

REEL: 020844 FRAME: 0346

500521233

61236-A
U.S. ASSIGNMENT
PENDING DES/PAT APPLICATION
INDIVIDUAL(S) TO CO/IND

I/We,

Dirk HUMMEL of Broelstrasse 26, Hennef
D-53773 Germany and

Charles Michael LOWNDS of 22677 E. Mineral Place, Aurora
Colorado 80016, USA

in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, do hereby sell and assign to

ORICA EXPLOSIVES TECHNOLOGY PTY LTD of
1 Nicholson Street, Melbourne,
Victoria 3000, Australia

hereinafter called the assignee, the entire right, title and interest in and to the invention entitled

***METHOD OF COMMUNICATION AT A BLAST SITE, AND CORRESPONDING BLASTING
APPARATUS***

as disclosed in the United States patent application Serial No. 12/031,956 filed February 15, 2008 and in and to said United States patent, and in and to any and all reissues and extensions thereof, in and for the United States, Canada, and all other countries, the same to be held and enjoyed by the said assignee, its successors, assigns, or legal representatives to the full ends of the terms for which all Letters Patent therefor is granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made, this assignment including the right to take action and recover in respect of any infringement of the patent that took place prior to the date of this assignment.

SIGNED at BROWNSBURG - CHATHAM

this 13th day of MARCH 2008.

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U.S. Serial No. 12/031,956
File No. 61236-A

Date : 13. 03. 2008 D. Hummel
Witness : Diane Langlais
 DIANE LANGLAIS
Address : 320 ROSDALLE
 BROWNSBURG-CHATHAM, NC
 286-346

Date : _____
Witness : _____
Address : _____

Charles Michael LOWNDS

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SIGNED at SANTIAGO, CHILE

this 6th day of MARCH 2008.

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U.S. Serial No. 12/031,956
File No. 61236-A

Date : _____

Dirk HUMMEL

Witness : _____

Address : _____

Date : March 6, 2008

Witness : _____

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Charles Michael LOWNDS