

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTOPHER MALCOLM BIRKIN	06/28/2016
RIAAN VAN WYK	06/28/2016
ANDRE KOEKEMOER	06/28/2016
TREVOR WATT	06/28/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DETNET SOUTH AFRICA (PTY) LTD (ZA)
<b>Street Address:</b>	AECI PLACE, THE WOODLANDS
<b>Internal Address:</b>	WOODLANDS DRIVE
<b>City:</b>	WOODMEED
<b>State/Country:</b>	SOUTH AFRICA
<b>Postal Code:</b>	2196
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15103419
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<b>ATTORNEY DOCKET NUMBER:</b>	029643-9038-US00
<b>NAME OF SUBMITTER:</b>	JULIANNE M. COZAD SMITH
<b>SIGNATURE:</b>	/julianne m. cozad smith/
<b>DATE SIGNED:</b>	06/29/2016
<b>Total Attachments: 2</b>	

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# ASSIGNMENT

Pursuant to our obligation to DETNET SOUTH AFRICA (PTY) LTD (ZA) (hereinafter referred to as "Assignee"), a South African company having its principal place of business at:

AECI Place  
The Woodlands  
Woodlands Drive  
Woodmead 2196

South Africa

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged,

we:

Christopher Malcolm Birkin  
c/o AECI Place  
The Woodlands  
Woodlands Drive  
Woodmead 2196  
South Africa

Riaan Van Wyk  
c/o AECI Place  
The Woodlands  
Woodlands Drive  
Woodmead 2196  
South Africa

Andre Koekemoer  
c/o AECI Place  
The Woodlands  
Woodlands Drive  
Woodmead 2196  
South Africa

Trevor Watt  
c/o AECI Place  
The Woodlands  
Woodlands Drive  
Woodmead 2196  
South Africa

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest in the United States -

(1) in and to inventions described in a patent application titled BLASTING SYSTEM

CONTROL the specification of which was filed with my authority on December 9, 2014 as

International Patent Application No. PCT/ZA2014/000071 (Atty. File No. 029643-9038-US00)

(hereinafter the "PCT application"); and

(2) in and to the PCT application, in and to all other U.S. patent applications (including PCT national phase, divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said inventions or claiming the benefit of the PCT application, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted.


We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.


28/06/2016  
Date

  
Christopher Malcolm Birkin


28/06/2016  
Date

  
Riaan Van Wyk

28/06/2016  
Date

  
Andre Koekemoer

28/06/2016  
Date

  
Trevor Watt