PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER MALCOLM BIRKIN	07/30/2014
JOHANNES PETRUS KRUGER	07/30/2014
HERMAN VAN DER WALT	07/30/2014

RECEIVING PARTY DATA

Name:	DETNET SOUTH AFRICA (PTY) LTD	
Street Address:	AECI PLACE, THE WOODLANDS, WOODLANDS DRIVE	
Internal Address:	WOODMEAD	
City:	SANDTON	
State/Country:	SOUTH AFRICA	
Postal Code:	2196	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14365618

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	029643-9028-US00	
NAME OF SUBMITTER:	STEPHEN A. GIGOT	
SIGNATURE:	/stephen a. gigot/	
DATE SIGNED:	09/09/2014	

Total Attachments: 2

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PATENT REEL: 033704 FRAME: 0750 502969089

ASSIGNMENT

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

AECI Place, The Woodlands, Woodlands Drive, Woodmead 2196 Sandton South Africa

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

Christopher Malcolm Birkin c/o AECI Limited, AECI Place, The Woodlands, Woodlands Drive, Woodlends 2196 Sandton South Africa

Johannes Petrus Kruger c/o AECI Limited, AECI Place, The Woodlands, Woodlands Drive, Woodmead 2196 Sandton South Africa

Herman Van Der Walt c/o AECI Limited, AECI Place, The Woodlands, Woodlands Drive, Woodmead 2196 Sandton South Africa

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest

- (1) in and to inventions described in a patent application titled DETONATOR the specification of which was filed with my authority on November 20, 2012 as International Patent Application No. PCT/ZA2012/000088 (Atty, File No. 029643-9028-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),

PATENT REEL: 033704 FRAME: 0751 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.

2014-07-30	A Survey Marine
Date	Christopher Malcolm Birkin
2014-07-30	R
Date	Johannes Petrus Kruger
2014 - 07 - 30	(Sel in)
Nata	Hanna and John Mall

RECORDED: 09/09/2014