## 503933085 07/27/2016 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY I	ΔΑΤΑ				
		Name		Execution Date	
MR. STEPHEN JUDD				07/27/2016	
RECEIVING PARTY D	ΑΤΑ				
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Internal Address:	LC/IP,	LC/IP, MS A187			
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Application Number:		15220497			
Application Number:		15220497			
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	SIGNATURE:		/Michael A. Leonard II/		
		/Michael / .: Econard II/			
		07/27/2016			

## ASSIGNMENT

DOE <u>S-133,333</u>

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS,

1. Stephen Judd, a United States citizen, residing in Los Alamos, New Mexico, United States,

hereby sell, assign and transfers to ASSIGNEE, Los Alamos National Security, LLC, a Delaware Limited Liability Company, having its statewide administrative offices located at Los Alamos National Laboratory, LC/IP MS A187, Los Alamos, New Mexico 87545, and the successors, assigns and legal representatives of the ASSIGNEE all of its rights, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention titled:

## BEACON-BASED PRECISION NAVIGATION AND TIMING (PNT) SYSTEM

and which is found in

(a) The U.S. Patent Application entitled as above and filed on an even date herewith

and any legal equivalent thereof in the United States or a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any nonprovisional, national stage application, continuation, divisional, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all international Conventions for the Protection of Industrial Property;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNORS request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE.

executed this

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20th day of July , 2016

Signature of Inventor(s)

Stephen Judd

**RECORDED: 07/27/2016**