

## 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>
THOMAS W. KARRAS	11/12/2013
STEPHEN V. ROBERTSON	11/12/2013
JEFFERY T. SROGA	11/12/2013
ARTHUR PAOLELLA	11/12/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LOCKHEED MARTIN CORPORATION
<b>Street Address:</b>	6801 ROCKLEDGE DRIVE
<b>City:</b>	BETHESDA
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20817-1877
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14080716
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	SS-00821
<b>NAME OF SUBMITTER:</b>	LISA K. LEVINE
<b>SIGNATURE:</b>	/Lisa K. Levine/
<b>DATE SIGNED:</b>	04/18/2014
<b>Total Attachments: 2</b>	
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Attorney Docket No.: SS-00821 (090424-0110)

**ASSIGNMENT**

WHEREAS WE, Thomas W. KARRAS of 231 Wooded Way, Berwyn, PA 19312, Stephen V. ROBERTSON of 625 Hammersmyth Court, Harleysville, PA 19438, Jeffery T. SROGA of 114 Frenchman Drive, Deptford, NJ 08096, and Arthur PAOLELLA of 2112 Buckingham Drive, Jamison, PA 18929, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled HIGH PERFORMANCE COMPACT RF RECEIVER FOR SPACE FLIGHT APPLICATIONS, filed on November 14, 2013, and identified by United States Patent Application No. 14/080,716, and we authorize and request the practitioners of McDermott Will & Emery LLP to insert the filing date and application number of the application, when known;

AND WHEREAS, LOCKHEED MARTIN CORPORATION, a corporation of the State of Maryland and having an address of 6801 Rockledge Drive, Bethesda, Maryland 20817-1877, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto LOCKHEED MARTIN CORPORATION, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND we request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said LOCKHEED MARTIN CORPORATION, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

12 Nov 2013  
Date

Thomas W. KARRAS  
Thomas W. KARRAS

12 Nov 2013  
Date

Stephen V. ROBERTSON  
Stephen V. ROBERTSON

Attorney Docket No.: SS-00821 (090424-0110)

11/12/13  
Date Jeffrey T. SROGA

11/12/13  
Date Arthur PAOLELLA