

PATENT ASSIGNMENT

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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>Thomas W. Karras</td> <td>08/01/2012</td> </tr> <tr> <td>Stephen Robertson</td> <td>08/01/2012</td> </tr> <tr> <td>Arthur C. Paoella</td> <td>08/01/2012</td> </tr> <tr> <td>William J. Taft</td> <td>08/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Thomas W. Karras	08/01/2012	Stephen Robertson	08/01/2012	Arthur C. Paoella	08/01/2012	William J. Taft	08/01/2012
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Lockheed Martin Corporation</td> </tr> <tr> <td>Street Address:</td> <td>6801 Rockledge Drive</td> </tr> <tr> <td>City:</td> <td>Bethesda</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>20817-1877</td> </tr> </table>		Name:	Lockheed Martin Corporation	Street Address:	6801 Rockledge Drive	City:	Bethesda	State/Country:	MARYLAND	Postal Code:	20817-1877
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CORRESPONDENCE DATA											
<p>Fax Number: 3039774684</p> <p>Phone: (303)977-4748</p> <p>Email: lisa.k.levine@lmco.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Kenneth J. Johnson</p> <p>Address Line 1: P.O. Box 179</p> <p>Address Line 2: M/S 5120</p> <p>Address Line 4: Denver, COLORADO 80201-4684</p>											
ATTORNEY DOCKET NUMBER:	SS-00524										
NAME OF SUBMITTER:	Lisa K. Levine										
<p>Total Attachments: 2</p> <p>source=SS-00524 (090424-0027) Executed Assignment#page1.tif</p> <p>source=SS-00524 (090424-0027) Executed Assignment#page2.tif</p>											

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Docket No.: SS-00524 (090424-0027)

ASSIGNMENT

WHEREAS We, Thomas W. KARRAS of 231 Wooded Way, Berwyn, PA 19312, Stephen ROBERTSON of 625 Hammersmyth, Harleysville, PA 19438, Arthur C. PAOLELLA of 2112 Buckingham Drive, Jamison, PA 18929, William J. TAFT of 11 Old Post Lane, Yardville, NJ 08620, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled PHOTONIC RADIO FREQUENCY FRONT END RECEIVER, and executed concurrently herewith;

AND WHEREAS, LOCKHEED MARTIN CORPORATION, a corporation of the State of Maryland and having an address of 6801 Rockledge Drive, Bethesda, MD 20817, 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 non-provisionals, 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.

Docket No.: SS-00524 (090424-0027)

<u>August 1, 2012</u> Date	<u>Thomas W. Karras</u> Thomas W. KARRAS
<u>August 1, 2012</u> Date	<u>Stephen Robertson</u> Stephen ROBERTSON
<u>8/1/2012</u> Date	<u>Arthur C. Paoella</u> Arthur C. PAOLELLA
<u>William J. Taft</u> Date	<u>01 OCTOBER 2012</u> William J. TAFT