

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Thomas W. KARRAS</td> <td>04/28/2009</td> </tr> <tr> <td>David L. ENLOW</td> <td>04/28/2009</td> </tr> <tr> <td>Paul Kit Lai YU</td> <td>04/28/2009</td> </tr> </tbody> </table>		Name	Execution Date	Thomas W. KARRAS	04/28/2009	David L. ENLOW	04/28/2009	Paul Kit Lai YU	04/28/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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: (949)622-0387</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 949-851-0633</p> <p>Email: ltillman@mwe.com</p> <p>Correspondent Name: MCDERMOTT WILL & EMERY LLP</p> <p>Address Line 1: 18191 VON KARMAN AVE.</p> <p>Address Line 2: SUITE 500</p> <p>Address Line 4: IRVINE, CALIFORNIA 92612-7108</p>											
ATTORNEY DOCKET NUMBER:	070601-0073										
NAME OF SUBMITTER:	Soyeon (Karen) Pak Laub, Reg. No. 39,266										
<p>Total Attachments: 3</p> <p>source=070601-0073_Assignment#page1.tif</p>											

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ASSIGNMENT

WHEREAS We, Thomas W. KARRAS, David L. ENLOW and Paul Kit Lai YU of 231 Wooded Way, Berwyn, Pennsylvania 19312; 560 Deerfield Road, Trooper, Pennsylvania 19403; and 4455 Rosecliff Place, San Diego, California 92130, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled METHODS OF OPTIMIZING SPUR-FREE DYNAMIC RANGE OR GAIN IN ELECTRO-ABSORPTION MODULATORS, and filed concurrently herewith;

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.

4/28/2009
Date

4/28/2009
Date

Date

Thomas W. Karras
Thomas W. KARRAS

David L. Enlow
David L. ENLOW

Paul Kit Lai YU

ORC 489636-1.070601.0073

4/28/2009
Date

Thomas W. Karras
Thomas W. KARRAS

4/28/2009
Date

David L. ENLOW
Paul Kit Lai YU

ORC 459630-1.070601.0073