

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
George Raymond Root Jr.	07/22/2004
<b>RECEIVING PARTY DATA</b>	
Name:	Lockheed Martin Corporation
Street Address:	6801 Rockledge Drive
City:	Bethesda
State/Country:	MARYLAND
Postal Code:	20817
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12431498
<b>CORRESPONDENCE DATA</b>	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	DeMont & Breyer, LLC.
Address Line 1:	100 Commons Way
Address Line 2:	Suite 250
Address Line 4:	Holmdel, NEW JERSEY 07733
ATTORNEY DOCKET NUMBER:	711-275US
NAME OF SUBMITTER:	Jay Kobayashi
Total Attachments: 1 source=signed_assignment_711-275us#page1.tif	

OP \$40.00 12431498

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Assignment and Agreement

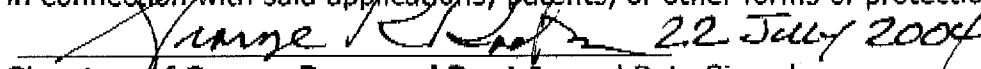
For value received, I, **George Raymond Root Jr.**, of Gambrills, MD, USA, hereby sell, assign and transfer to Lockheed Martin, a corporation of the State of Maryland, having an office at Intellectual Property Law Department, Bldg. 400, Mail Drop 043, 9500 Godwin Dr, Manassas, VA, 20110, USA, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions entitled **Electromagnetic Missile Launcher**, the specification of which is attached hereto, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Lockheed Martin the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Lockheed Martin to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lockheed Martin to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Lockheed Martin in the United States and in all countries foreign to the United States, or to such nominees as Lockheed Martin may designate.

I agree that, when requested, I shall, without charge to Lockheed Martin but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
Signature of **George Raymond Root Jr.** and Date Signed

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Witness or Notary's Signature and Date

DeMont & Breyer, LLC  
Suite 250  
100 Commons Way  
Holmdel, NJ 07733  
United States of America