

Atty Dkt No.: VRS-002PUS

Form PTO-1595 (Rev. 10/02) QMB No. 0651-0027 (exp. 6/30/2005) Tab settings		<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Joseph S. Pleva  Wilson Wimmer  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <u>Valeo Raytheon Systems, Inc.</u> Internal Address: _____ _____ _____ Street Address: <u>46 River Road</u> _____ _____ City: <u>Hudson</u> State: <u>NH</u> Zip: <u>03051</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other <u>Corrected Assignment Recordation</u> Correction Name of Assignee _____ Recordation Date: <u>May 3, 2005</u> Reel/Frame: <u>015970/0735</u> Execution Date: <u>March 17, 2005, March 17, 2005</u>					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u>3/15/2005</u> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           A. Patent Application No.(s)  <u>11/026,506</u> </div> <div style="width: 45%;">           B. Patent No.(s)         </div> </div> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Daly, Crowley, Mofford &amp; Durkee, LLP</u> Internal Address: _____ _____ _____ Street Address: <u>354A Turnpike Street, Suite 301A</u> _____ _____ City: <u>Canton</u> State: <u>MA</u> Zip: <u>02021-2714</u>			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>500845</u> (Attach duplicate copy of this page if paying by deposit account)		
<b>DO NOT USE THIS SPACE</b>					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <u>Christopher S. Daly</u>                      <u>37,303</u>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 30%; text-align: right;"> <u>2 AUG 05</u>            Date         </div> </div> Total number of pages including cover sheet, attachments, and documents: <u>4</u>					

Mail documents to be recorded with required cover sheet information to:

 MS Assignment Recordation Services, Director of the U.S. Patent and Trademark Office,  
 P. O. Box 1450, Alexandria, VA 22313-1450
**PATENT****REEL: 016609 FRAME: 0167****700200514**

CH \$40.00 500845 11026506

## PATENT ASSIGNMENT

Electronic Version v08

Stylesheet Version v02

05/03/2005  
800018088

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Joseph S Pleva</td><td>2005-03-17</td></tr><tr><td>Wilson Wimmer</td><td>2005-03-17</td></tr></tbody></table>						Name	Execution Date	Joseph S Pleva	2005-03-17	Wilson Wimmer	2005-03-17						
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RECEIVING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Street Address</th><th>Internal Address</th><th>City</th><th>State/Country</th><th>Postal Code</th></tr></thead><tbody><tr><td>Valeo Raytheon Company, Inc.</td><td>46 River Road</td><td></td><td>Hudson</td><td>NEW HAMPSHIRE</td><td>03051</td></tr></tbody></table>						Name	Street Address	Internal Address	City	State/Country	Postal Code	Valeo Raytheon Company, Inc.	46 River Road		Hudson	NEW HAMPSHIRE	03051
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Valeo Raytheon Company, Inc.	46 River Road		Hudson	NEW HAMPSHIRE	03051												
PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number</td><td>11026506</td></tr></tbody></table>						Property Type	Number	Application Number	11026506								
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Application Number	11026506																
CORRESPONDENCE DATA																	
FAX NUMBER: 7814019966																	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.																	
CUSTOMER NUMBER: 022484																	
NAME OF PERSON SIGNING:		Christopher S. Daly															
DATE SIGNED:		2005-05-03															
Total Attachments: 3 source=assign page 1.tif source=assign page 2.tif source=assign page 3.tif																	

CH \$40.00 500845 11026506

## PATENT

## A S S I G N M E N T

Whereas we, the undersigned, Joseph S. Pleva and Wilson Wimmer, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled BEAM ARCHITECTURE FOR IMPROVING ANGULAR RESOLUTION, identified as Attorney Docket No. VRS-002PUS and Client Case No. SUS9000 which application was executed on March 15, 2005 and filed on December 30, 2004 and Assigned Application No. 11/026,506. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 275 Turnpike Street, Suite 101, Canton, MA 02021-2310, to insert above the execution date, filing date and/or Application No. of said application.

Whereas, VALEO RAYTHEON SYSTEMS, INC., a Delaware Corporation having a place of business at 46 River Road, Hudson, NH 03051, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything

## PATENT

Application No.: 11/026,506

Filed On: December 30, 2004

Attorney Docket No.: VRS-002PUS

Client Case No.: SUS9000

embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have each executed this Assignment on the date indicated next to each of our respective names.

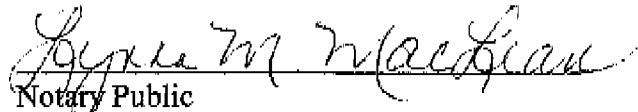
State of New Hampshire

County Hillsborough

Dated March 17, 2005

  
\_\_\_\_\_  
Joseph S. Pleva

On this 17<sup>th</sup> day of March, 2005, before me appeared Joseph S. Pleva, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

  
\_\_\_\_\_  
Notary Public

My Commission Expires on October 4, 2005

PATENT

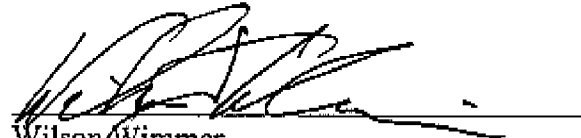
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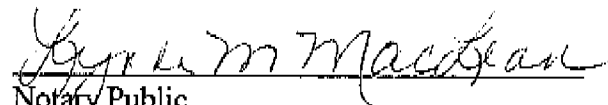
Attorney Docket No.: VRS-002PUS

Client Case No.: SUS9000

State of New Hampshire

County HillsboroughDated March 17, 2005  
Wilson/Wimmer

On this 17<sup>th</sup> day of March, 2005, before me appeared Wilson Wimmer, to me known and known to me as the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

  
Notary Public

My Commission Expires on October 4, 2005

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