

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Helmut WOLF</td> <td>07/12/2012</td> </tr> <tr> <td>Michael SCHNEIDER</td> <td>07/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Helmut WOLF	07/12/2012	Michael SCHNEIDER	07/31/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Astrium GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Robert-Koch-Str.1</td> </tr> <tr> <td>City:</td> <td>Taufkirchen</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>82024</td> </tr> </table>		Name:	Astrium GmbH	Street Address:	Robert-Koch-Str.1	City:	Taufkirchen	State/Country:	GERMANY	Postal Code:	82024
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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>13523979</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13523979						
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Application Number:	13523979										
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Fax Number:	2026288844										
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ATTORNEY DOCKET NUMBER:	107973.64527US										
NAME OF SUBMITTER:	Stephen W. Palan										
Total Attachments: 1 source=64527US_Assignment#page1.tif											

OP \$40.00 13523979

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

**Astrium GmbH
Robert-Koch-Str. 1
82024 Taufkirchen, Germany**

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his/her invention relating to:

ORTHOMODE COUPLER FOR AN ANTENNA SYSTEM

as set forth in his/her United States Patent Application (check one):

- executed concurrently herewith,
- executed on _____,
- Application No. 13/523,979, filed June 15, 2012
- PCT International Application, No.: _____, filed _____,

and in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

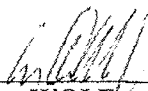
Each of the undersigned hereby authorizes and requests the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to said invention or Patent application and that he/she will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **CROWELL & MORING LLP**, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Signature:
Inventor one:



Helmut WOLF

12.07.2012
DATE

Signature:
Inventor two:



Michael SCHNEIDER

31.07.2012
DATE