502967733 09/09/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3014332

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DR. CHRISTIAN ROEMER	08/01/2014
DR. ALEXANDER HERSCHLEIN	08/01/2014

RECEIVING PARTY DATA

Name:	ASTRIUM GMBH
Street Address:	ROBERT-KOCH-STR. 1
City:	TAUFKIRCHEN
State/Country:	GERMANY
Postal Code:	82024

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14340077

CORRESPONDENCE DATA

Fax Number: (202)628-8844

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: NUnverferth@crowell.com
Correspondent Name: CROWELL & MORING, LLP

Address Line 1: 1001 PENNSYLVANIA AVENUE, N.W.

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER: 010588.66754US	
NAME OF SUBMITTER:	STEPHEN W. PALAN
SIGNATURE: /Stephen W. Palan, Reg. No. 43,420/	
DATE SIGNED:	09/09/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

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PATENT 502967733 REEL: 033698 FRAME: 0700

Signature: Inventor:

Christian ROEMER

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	Waveguide Radiator, Array Antenna Radiator and Synthetic Aperture Radar System	
the application i	dentified above by the attorney docket no. and title of invention al Application Number, filed pplication No, filed	
	<u>ASSIGNMENT</u>	
For good and valuable below-named inventor	consideration, the receipt and sufficiency of which are hereby acknowledged, as a I have sold and assigned, and by these presents hereby sell and assign, unto:	
Name of Assignee:	Astrium GmbH	
Address of Assignee:	Robert-Koch-Str. 1, 82024 Taufkirchen, GERMANY	
and to the above-identil continuations thereof, a application or for said i by said ASSIGNEE, its	E) all my right, title, and interest for the United States, its territories, and possessions in fied invention and United States patent application, including any and all divisions or nd in and to any and all Letters Patent of the United States that may issue on any such ovention, including any and all reissues or extensions thereof, to be held and enjoyed successors, or assigns to the full end of the term or terms for which any and all such ranted as fully and entirely as would have been held and enjoyed by me had this ade.	
I hereby authorize and r Letters Patent to said A	request the Director of the U.S. Patent and Trademark Office to issue any and all such SSIGNEE, its successors, or assigns in accordance herewith.	
I warrant and covenant and assigned and that I herewith.	that I have the full and unencumbered right to sell and assign the interests herein sold have not executed and will not execute any document or instrument in conflict	
or assigns all information and deliver any papers, acts deemed necessary operfect title to said inversal Letters Patent that mASSIGNEE, its success	gree that I will communicate to said ASSIGNEE, its successors, legal representatives, on known to me relating to said invention or patent application and that I will execute make all rightful oaths, testify in any legal proceedings, and perform all other lawful or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to nation, to said application including divisions and continuations thereof and to any and ay be granted therefor or thereon, including reissues or extensions, in said ors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or ssuing, or enforcing Letters Patent of the United States for said invention.	
	DECLARATION	
As a below named inver	ntor, I hereby declare that:	
The above-identified ap	plication was made or authorized to be made by me.	
believe that I am the original inventor or an original joint inventor of a claimed invention in the application		
hereby acknowledge the 1001 by fine or imprisor	nat any willful false statement made in this declaration is punishable under 18 U.S.C. ment of not more than five (5) years, or both.	

PATENT REEL: 033698 FRAME: 0701

18.2014

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention:	Waveguide Radiator, Array A System	ntenna Radiator and Synth	ietic Aperture Radar
	eclaration are directed to (check a identified above by the attorney		vention
PCT Internati	onal Application Number	, filed	
United States	Application No.	, filed	
	×	***************************************	***************************************

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: Astrium GmbH

Address of Assignce: Robert-Koch-Str. 1, 82024 Taufkirchen, GERMANY

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and 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 or 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 me had this Assignment not been made.

I hereby authorize and request 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.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I 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.

DECLARATION

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature: 1.8.2014
Inventor: Alexander HERSCHLEIN DATE

PATENT REEL: 033698 FRAME: 0702

RECORDED: 09/09/2014