

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2881592

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ATSUTAKA MANABE	05/22/2014
ONUR KARABEY	03/18/2014
ROLF JAKOBY	03/14/2014
FELIX GOELDEN	03/20/2014
RECEIVING PARTY DATA	
Name:	MERCK PATENT GMBH
Street Address:	FRANKFURTER STRASSE 250
City:	DARMSTADT
State/Country:	GERMANY
Postal Code:	64293
Name:	TECHNISCHE UNIVERSITAT DARMSTADT
Street Address:	KAROLINENPLATZ 5
City:	DARMSTADT
State/Country:	GERMANY
Postal Code:	64283
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14347717
CORRESPONDENCE DATA	
Fax Number:	(703)243-6410
<i>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.</i>	
Phone:	7032436333
Email:	mail@mwzb.com
Correspondent Name:	MILLEN, WHITE, ZELANO & BRANIGAN-AEW
Address Line 1:	2200 CLARENDON BLVD.
Address Line 2:	SUITE 1400
Address Line 4:	ARLINGTON, VIRGINIA 22201
ATTORNEY DOCKET NUMBER:	MERCK-4195
NAME OF SUBMITTER:	ASHLEY WEBER

PATENT

SIGNATURE:	/Ashley Weber/
DATE SIGNED:	06/03/2014
Total Attachments: 2 source=EXECUTED_ASSIGNMENT#page1.tif source=EXECUTED_ASSIGNMENT#page2.tif	

ASSIGNMENT

PM/1536-p1/510
ATTY. DOCKET NO.

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

ELECTRONICALLY STEERABLE PLANAR PHASED ARRAY ANTENNA

and for which one or more of the following apply:

- U.S. Provisional Application Serial No. _____ was filed in the United States Patent and Trademark Office on _____
- A U.S. Non-Provisional
 - application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
 - Application Serial No. _____ for Letters Patent was filed in the U.S. Patent and Trademark Office on _____
 - as International Application No. PCT/EP2013/067767 was filed on 12 September 2013, designating the United States.

AND WHEREAS

1. MERCK PATENT GESELLSCHAFT
MIT BESCHRÄNKTER HAFTUNG
Darmstadt, Germany

2. TECHNISCHE UNIVERSITÄT DARMSTADT
KAROLINENPLATZ 5
64283 Darmstadt, Germany

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNEE hereby assigns, sells, and transfers to ASSIGNOR, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefit accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNOR and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grants the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
MANABE, Atsufaka	<i>Atsufaka Manabe</i>	22. Mai 2014
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
KARABEY, Omid		
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
JAKOBY, Rolf		
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
GOELDEN, Felix		
205 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
206 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
207 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
208 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
209 FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE

ASSIGNMENT

ATTY DCKET NO. MERCK 4195

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

ELECTRONICALLY STEERABLE PLANAR PHASED ARRAY ANTENNA

and for which one or more of the following apply:

- U.S. Provisional Application Serial No. _____ was filed in the United States Patent and Trademark Office on _____
- A U.S. Non-Provisional
 - application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
 - Application Serial No. _____ for Letters Patent was filed in the U.S. Patent and Trademark Office on _____
 - as International Application No. PCT/EP2012/067767 was filed on 12 September 2012, designating the United States.

AND WHEREAS

1. TECHNISCHE UNIVERSITÄT DARMSTADT
 Karolinenplatz 5, 64283 Darmstadt, Germany
 2. MERCK PATENT GESELLSCHAFT MIT
 BESCHRÄNKTER HAFTUNG
 Darmstadt, Germany

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all applications(s) listed above, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

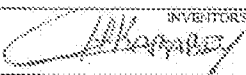


NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and applications(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereon concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign) divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

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IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
MANABE, Atsutaka		
202 FULL NAME OF SECOND JOINT INVENTOR		18.03.2014
203 FULL NAME OF THIRD JOINT INVENTOR		14.03.2014
204 FULL NAME OF FOURTH JOINT INVENTOR		20.3.2014
205 FULL NAME OF FIFTH JOINT INVENTOR		
206 FULL NAME OF SIXTH JOINT INVENTOR		
207 FULL NAME OF SEVENTH JOINT INVENTOR		
208 FULL NAME OF EIGHTH JOINT INVENTOR		
209 FULL NAME OF NINTH JOINT INVENTOR		

PATENT

RECORDED: 06/03/2014

REEL: 033016 FRAME: 0851