503769757 04/05/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3816401

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AMIR HOSSAIN PARHAM	02/08/2016
IRINA MARTYNOVA	02/08/2016
ANJA JATSCH	02/08/2016
THOMAS EBERLE	02/08/2016
JONAS VALENTIN KROEBER	02/08/2016
CHRISTOF PFLUMM	02/08/2016

RECEIVING PARTY DATA

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Street Address:	FRANKFURTER STRASSE 250
City:	DARMSTADT
State/Country:	GERMANY
Postal Code:	64293

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15027381

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	074025-0480-US-540943
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SIGNATURE:	/JOSEPH BARRERA/
DATE SIGNED:	04/05/2016

PATENT REEL: 038197 FRAME: 0135

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Total Attachments: 6 source=Assignment_Declarations#page1.tif source=Assignment_Declarations#page2.tif source=Assignment_Declarations#page3.tif source=Assignment_Declarations#page4.tif source=Assignment_Declarations#page5.tif source=Assignment_Declarations#page6.tif

PATENT REEL: 038197 FRAME: 0136

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING APPLICATION DATA SHEET (37 CFR 1, 76) AND ASSIGNMENT MATERIALS FOR ELECTRONIC DEVICES Title of Invention As the below named Inventor, I hereby declare that: [] The attached application, or This declaration [x] International application PCT/EP2014/002496 is directed to: filed on 16 September 2014 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. WHEREAS, MERCK PATENT GMBH having places of business at: Frankfurter Strasse 250, 64293 Darmstact, Germany, (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; NOW THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged. I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right. title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions. reissues, continuations, substitutions and renewals thereof. I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S). make all rightful ceths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. 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. LEGAL NAME OF INVENTOR 8 K Feb. 2016 Amir Hossain Parham Date: Inventor: Signature:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING APPLICATION DATA SHEET (37 CFR 1, 76) AND ASSIGNMENT MATERIALS FOR ELECTRONIC DEVICES Title of Invention As the below named Inventor, I hereby declare that: [] The attached application, or This declaration [x] International application PCT/EP2014/002496 is directed to: filed on 16 September 2014 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. WHEREAS, MERCK PATENT GMBH having places of business at: Frankfurter Strasse 250, 64293 Darmstadt, Germany, (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S). make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. 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. LEGAL NAME OF INVENTOR 0 8, Feb. 201# Irina Martynova Date: Inventor: 1 Dr. I Martynorg

ACTIVE/ 78280529.1

Signature:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING		
AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT		
	ELECTRONIC DEVICES	
As the below named Inventor, I hereby declare that:		
This declaration [] The attached application, or		
is directed to: [x] International application PCT/EP filed on 16 September 2014	2014/002496	
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.	
WHEREAS, MERCK PATENT GMBH having places of b Darmstadt. Germany, (hereinafter referred to as "ASSIGN is desirous of acquiring the entire right, title and interest in Patent that may be granted therefore in the United Stand all foreign countries,	EE(S)") and to said invention and in and to any Letters	
NOW, THEREFORE, for good and valuable considereby acknowledged. It by these presents do assign an exclusive right to the said invention in the United States countries (including the right to claim priority under the trelevant International Treaties and Arrangements from title and interest in and to any and all Letters Patent while and its territorial possessions and in any and all foreign reissues, continuations, substitutions and renewals thereof	d transfer unto said ASSIGNEE(S), the full and and its territorial possessions and in all foreign erms of the International Convention and other the aforesaid application) and the entire right, ch may be granted therefor in the United States of countries and in and to any and all divisions,	
I hereby authorize and request the Patent Office (possessions and any and all foreign countries to issue at to said ASSIGNEE(S) as the assignee of my entire righthe sole use and behoof of said ASSIGNEE(S), its (the term for which said Letters Patent may be granted, been held by me had this Assignment and sale not been	ny and all of said Letters Patent, when granted, pht, title and interest in and to the same, for his) successors and assigns, to the full end of as fully and entirely as the same would have	
Further, I agree that I will communicate to said ASS known to me respecting said invention, and testify in execute all divisional, continuation, substitute, renewal assignment papers to cause any and all of said Letters make all rightful oaths, and, generally do everything successors and assigns, to obtain and enforce proper and its territorial possessions and in any and all foreign of	any legal proceeding, sign all lawful papers, and reissue applications, execute all necessary a Patent to be issued to said ASSIGNEE(S), possible to aid said ASSIGNEE(S), its (his) protection for said invention in the United States	
I hereby acknowledge that any willful false statement of no U,S.C. 1001 by fine or imprisonment of no	made in this declaration is punishable under 18 of more than five (5) years, or both.	
LEGAL NAME OF INVENTOR		
	0 8, Feb. 2016	
Anja Jatsch	Date:	
Inventor:	"Ysste"	
Signature: / / / / / / / / / / / / / / / / / / /		

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DECLARAT		TILITY OR DESIGN APPLICATION USING AN
ADD		37 CFR 1. 76) AND ASSIGNMENT
Title of	MATERIALS	FOR ELECTRONIC DEVICES
Invention	ad lawester. I hereby declare that	þ
	ned Inventor, I hereby declare that	
This declaration	[] The attached application, o	
is directed to:	[x] International application P filed on 16 September 201	4
The above-identi	fied application was made or auth	orized to be made by me.
I believe that I an	n the original inventor or an origina	al joint inventor of a claimed invention in the application.
Darmstadt, Gern is desirous of ac- Patent that may and all foreign of	nany,(hereinafter referred to as "A quiring the entire right, title and int be granted therefore in the Unit countries;	terest in and to said invention and in and to any Letters ted States and its territorial possessions and in any
hereby acknowle exclusive right to countries (includ relevant interna- title and interest and its territorial reissues, continu	edged, I, by these presents do ast the said invention in the United ing the right to claim priority unde tional Treaties and Arrangement in and to any and all Letters Pate possessions and in any and all lations, substitutions and renewals	
possessions and to said ASSIGN the sole use a the term for whi	I any and all foreign countries to t EE(S) as the assignee of my er	Office Officials in the United States and its territorial ssue any and all of said Letters Patent, when granted, itire right, title and interest in and to the same, for S), its (his) successors and assigns, to the full end of transled, as fully and entirely as the same would have not been made.
known to me re- execute all divi assignment pap make all rightf	specting said invention, and tes sional, continuation, substitute, n ers to cause any and all of said	id ASSIGNEE(S) or its (his) representatives any facts stify in any legal proceeding, sign all lawful papers, enewal and reissue applications, execute all necessary Letters Patent to be issued to said ASSIGNEE(S), erything possible to aid said ASSIGNEE(S), its (his) proper protection for said invention in the United States reign countries.
I hereby ackno	owledge that any willful false state J,S.C. 1001 by fine or imprisonme	ement made in this declaration Is punishable under 18 ent of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR	
Tho	mas Eberle	0 8, Feb. 2016
Signature:	Ma Elile	

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING APPLICATION DATA SHEET (37 CFR 1, 76) AND ASSIGNMENT MATERIALS FOR ELECTRONIC DEVICES Title of Invention As the below named Inventor, I hereby declare that: [] The attached application, or This declaration [x] International application PCT/EP2014/002496 is directed to: filed on 16 September 2014 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. WHEREAS, MERCK PATENT GMBH having places of business at: Frankfurter Strasse 250, 64293 Darmstadt, Germany, (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries; NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made. Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers. execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S). make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. 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. LEGAL NAME OF INVENTOR 0 8. Feb. 2016 Jonas Valentin Kroeber Date: Inventor: Signature:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING		
AN		
	PLICATION DATA SHEET (37 CFR 1. 7	
Title of Invention	MATERIALS FOR ELEC	TRONIC DEVICES
·	tned Inventor, I hereby declare that:	
This declaration	[] The attached application, or	
is directed to:	[x] International application PCT/EP2014/00 filed on 16 September 2014	2496
The above-identi	fied application was made or authorized to be ma	ade by me.
	n the original inventor or an original joint inventor	
Darmstadt, Germ	RCK PATENT GMBH having places of business nany, (hereinafter referred to as "ASSIGNEE(S)") quiring the entire right, title and interest in and to be granted therefore in the United States and countries;	said invention and in and to any Letters
hereby acknowle exclusive right to countries (includi relevant Internat title and interest and its territorial	EFORE, for good and valuable consideration to edged, I, by these presents do assign and transfer the said invention in the United States and its light to claim priority under the terms of the treaties and Arrangements from the afort in and to any and all Letters Patent which may be possessions and in any and all foreign countrillations, substitutions and renewals thereof.	er unto said ASSIGNEE(S), the full and territorial possessions and in all foreign the International Convention and other esaid application) and the entire right, be granted therefor in the United States
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		
known to me res execute all divis assignment pape make all rightfu successors and	ree that I will communicate to said ASSIGNEE(specting said invention, and testify in any legal specting said invention, and testify in any legal service to cause any and all of said Letters Patent II oaths, and, generally do everything possible assigns, to obtain and enforce proper protection possessions and in any and all foreign countries.	al proceeding, sign all lawful papers, sue applications, execute all necessary to be issued to said ASSIGNEE(S), le to aid said ASSIGNEE(S), its (his) n for said invention in the United States
	wledge that any willful false statement made in ,S.C. 1001 by fine or imprisonment of not more th	
LEGAL NAME OF INVENTOR		
		0 8, Feb. 2016
Chris Inventor:	stof Pflumm	Date:
Signature:	Pfleren	

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RECORDED: 04/05/2016

PATENT REEL: 038197 FRAME: 0142