PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL WITTEK	10/16/2014
MALGORZATA RILLICH	10/16/2014

RECEIVING PARTY DATA

Name:	MERCK PATENT GMBH	
Street Address:	FRANKFURTER STRASSE 250	
City:	DARMSTADT	
State/Country:	GERMANY	
Postal Code:	64293	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14395115

CORRESPONDENCE DATA

Fax Number: (703)243-6410

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

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ATTORNEY DOCKET NUMBER:	MERCK-4239
NAME OF SUBMITTER:	ASHLEY WEBER
SIGNATURE:	/Ashley Weber/
DATE SIGNED:	10/17/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 503022820 REEL: 033969 FRAME: 0148

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Interor Invention	LIQUID CRYSTAL MEDIUM AND LIQUID CRYSTAL DISPLAY			
As the below named inventor, I hereby declare that:				
This declaration	☐ The attached application, or			
is directed to:	United States Application or PCT International Application number PCT/EP2013/000988 filed on 03.04.2013			
The above-identif	ied 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.			
AND WHEREAS				
all patent(s) listed	Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt / DE d to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, all renewals, reissues, reexaminations and extensions thereof.			
ASSIGNOR heret right, title and inte and all Letters Pat thereof, and in and to accrue with respinvention, SAID A including any and which may be grantight to sue for datarising from or apprenewals, reissues, representatives, in enjoyed the same.	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, by assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive trest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any ent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions it to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or sect to the filling or securing of patents in the United States and/or any countries foreign thereto concerning said assignment, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent and therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the mages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise pertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and if the assignment had not been made.			
and foreign countr	SSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States ies for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to papers that may be needed in connection with securing Letters Patents thereon.			
AND AS any and all division	SSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on ns and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.			
The undersigned hereby grant(s) 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			
I hereby fine or imprisonme	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by out of not more than five (5) years, or both.			
LEGAL NAME O	FINVENTOR			
Inventor: M	ichael Wittek Date: 10.10.2017			
Signature:				

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Coerthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
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Effective, September 16, 2012

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	LIQUID	CRYSTAL MEDIUM AND LIQUID CRYSTAL DISPLAY		
As the below named inventor, I hereby declare that:				
This declaration		The attached application, or		
is directed to:	О	United States Application or PCT International Application number <u>PCT/EP2013/000988</u> filed on <u>03.04.2013</u>		
The above-identif	ied applies	tion was made or authorized to be made by me.		
I believe that I am	the origin	al inventor or an original joint inventor of a claimed invention in the application.		
Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt / DE hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, 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 patent(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 filling 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 patent, 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 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, 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.				
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 securing Letters Patents thereon.				
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.				
The undersigned hereby grant(s) 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				
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 O	F INVEN	TOR A CO.		
	lalgorzata	V 3		
Signature:	<u>M</u>	Q://a://a		

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Effective, September 16, 2012

PATENT REEL: 033969 FRAME: 0150

RECORDED: 10/17/2014