PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5548993

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDUARDO BELTRAN GRACIA	05/16/2019
IAIN GARDINER	04/25/2019
REBECCA PROCTOR	04/29/2019
STEPHEN MULCAHY	04/25/2019

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:	16465631

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

Phone: 703-243-6333 Email: mail@mwzb.com

Correspondent Name: MILLEN, WHITE, ZELANO & BRANIGAN - AMB

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Address Line 2: SUITE 1400

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	MERCK-4844
NAME OF SUBMITTER:	AUBREY M. BROOKS
SIGNATURE:	/Aubrey M. Brooks/
DATE SIGNED:	05/31/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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Title of Invention	POLYMERISABLE LC MEDIUM AND POLYMER FILM WITH FLAT OPTICAL DISPERSION
As the below nan	ned inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application number PCT/EP2017/080588 filed on November 28, 2017
	fied application was made or authorized to be made by me.
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.
all natent(s) lister	Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt DE dd to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and tabove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, it all renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and int and all Letters Per thereof, and in arroaccrue with reinvention, SAID including any anwhich may be gright to sue for d arrising from or a renewals, reissue representatives, i 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 crest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any stent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions at to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, did all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appetraining thereto, for and during the term or terms of any and all such Letters Patent, including any and all se, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.
and foreign coun execute any other	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States tries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to r papers that may be needed in connection with securing Letters Patents thereon.
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The ur assignment infor properly record	
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
fine or imprison	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment of not more than five (5) years, or both. I consent to the publication, and retention for purposes of obtaining information berein.
LEGAL NAME	OF INVENTOR Eduardo BELTRAN GRACIA Date: 16/05/19
Signature:	

MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
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EMAL: MAL@MWZE.COM

DOCKET NO.: MERCK-4844

Title of	POLYMERISABLE LC MEDIUM AND POLYMER FILM WITH FLAT OPTICAL
Invention	DISPERSION
As the below nan	ned inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States Application or PCT International Application number PCT/EP2017/080588 filed on November 28, 2017
The above-identif	fied application was made or authorized to be made by me.
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.
AND WHEREAS	Merck Patent GmbH
	Frankfurter Strasse 250
	64293 Darmstadt: DE
all patent(s) listed including any and	ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and im and all Letters Pethereof, and in arto accrue with reinvention, SAID including any anwhich may be gright to sue for darising from or a renewals, reissue representatives, injoyed the same	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, thy assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any attent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent. If all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise pretaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all is, reexaminations and extensions thereof, for the use and benefit of ASSIGNOE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made. ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States arties for said invention and to assign the same to said ASSIGNOE, its assigns and legal representatives and to
execute any other	r papers that may be needed in connection with securing Letters Patents mercon.
AND any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on ions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The ur assignment infor properly record t	edersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this contains which may be necessary or desirable in order for the United States Patent and Trademark Office to this document.
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
fine or imprison	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment of not more than five (5) years, or both. I consent to the publication, and retention for purposes of obtaining information herein.
	OF INVENTOR Iain GARDINER Date: 25 04/F
Inventor:	Tain GARDINER Date: (5)(04)//*
Signature:	10 by lain
L	

Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington V.A. 2220 | Telephone: 703.243.6333 | Fax: 703.243.6410 Email: Mail@mwzb.Com

DOCKET NO.: MERCK-4844

Title of Invention	POLYMERISABLE LC MEDIUM AND POLYMER FILM WITH FLAT OPTICAL DISPERSION
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AND WHEREAS	
	Merck Patent GmbH Frankfurter Strasse 250
	64293 Darmstadt DE
all patent(s) listed including any and	ed 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.
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 filting 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 carlier 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 ASSIGNOEE 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	
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fine or imprison	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment of not more than five (5) years, or both. I consent to the publication, and retention for purposes of obtaining aformation herein.
LEGAL NAME	OF INVENTOR Date: 25 4 4 15
Inventor: Signamre:	Rebecca PROCTOR Date:
L	

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EMAIL: MAIL@MWZB.COM

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	OF INVENTOR Steephen MH CARY Date: 25/4/17
Inventor:	Stephen ModeCATT
Signature:	Jaka W

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DOCKET NO.: MERCK-1844

PATENT REEL: 049327 FRAME: 0731

RECORDED: 05/31/2019