503291634 05/04/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3338252

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RALF PETRY	02/25/2015
HOLGER WINKLER	03/30/2015
TIM VOSGROENE	02/27/2015
CHRISTOF HAMPEL	03/03/2015
ANDREAS BENKER	05/04/2015
THOMAS JUESTEL	03/25/2015

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:	14440519

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-AEW

Address Line 1: 2200 CLARENDON BLVD.

Address Line 2: SUITE 1400

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	MERCK-4307
NAME OF SUBMITTER:	ASHLEY WEBER
SIGNATURE:	/Ashley Weber/
DATE SIGNED:	05/04/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

503291634 REEL: 035558 FRAME: 0850

PAIENI

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

PATENT REEL: 035558 FRAME: 0851

Title of Invention	EU-ACTIVATED LUMINOPHORES	
As the below nam	ned inventor, I hereby declare that:	
This declaration	☐ The attached application, or	
is directed to:	United States Application or PCT International Application number <u>PCT/EP2013/002997</u> filed on ☐ 04 October 2013 P 12/204-sl/sw	
The above-identif	fied application was made or authorized to be made by me.	
I believe that I am	n the original 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.		
ASSIGNOR here right, title and int and all Letters Pa thereof, and in an to accrue with re- invention, SAID including any and which may be gre right to sue for de arising from or a renewals, reissue representatives.	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 terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any ment 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 filling 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, dall 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 ppertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all as, 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 as, 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.		
	OF INVENTOR Raif PETRY Date: 28.02.20.45	
Signature:		

Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201 Telephone: 703.243.6333 | Fax: 703.243.6410 Email: Mail:@Mwzb.com

Effective, September 16, 2017.

Title of	EU-ACTIVATED LUMINOPHORES
Invention	
As the below nam	ned inventor, I hereby declare that:
This declaration	☐ The attached application, or
is directed to:	United States Application or PCT International Application number PCT/EP2013/002997 filed on 04 October 2013 P 12/204-sl/sw
The above-identi	fied application was made or authorized to be made by me.
I believe that I an	a the original inventor or an original joint inventor of a claimed invention in the application.
all patent(s) lister including any an-	Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt / DE 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 in and all Letters Pathereof, and in as to accrue with reinvention, SAID including any an which may be garight to sue for darising from or a renewals, reissual representatives, enjoyed the sam	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, 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, and 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 lamages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all es, 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 cour execute any other	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States ntries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to er papers that may be needed in connection with securing Letters Patents thereon.
AND any and all divi	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on sions 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 here fine or imprisor	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ament of not more than five (5) years, or both.
LEGAL NAMI	OF INVENTOR Solger WINKLER Date: 20, 03, 2015
Signature:	And " Manual "

Millen, White, Zelano & Branidan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703,243,6333 | Fax: 703,243,6410
Email: Mail@mwzb.com

Effective, September 16, 2012

Title of Invention	EU-ACTIVATED LUMINOPHORES	
As the below pan	ned inventor. I hereby declare that:	
This declaration	and the second of the second o	
is directed to:	United States Application or PCT International Application number PCT/EP2013/002997 filed on 0 04 October 2013 P 12/204-sl/sw	
	fied application was made or authorized to be made by me.	
	n the original inventor or an original joint inventor of a claimed invention in the application.	
AND WHEREAS hereinafter referr all patent(s) listed including any and	Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt / DE ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and I above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, I all renewals, refisues, reexaminations and extensions thereof.	
ASSIGNOR here right, title and int and all Letters Pathereof, and in ar to accrue with reinvention, SAID including any an which may be goright to sue for duarising from or a renewals, reissue representatives.	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 filting 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 putent, 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 ppertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all s, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal to 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 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	OF INVENTOR.	
	Tim VOSGROENE Date: 27.02.2075	
Signature:		

Millen, White, Zelano & Branigas, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington VA 2220 | Telephone: 703.243.6333 | Fan: 703.243.6410 Email: Mail@mwzb.com

Effective, September 16, 2017.

Title of Invention	EU-ACHVATED LUMINOPHORES	
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/EP2013/002997 filed on 04 October 2013 P 12/204-sl/sw	
The above-identit	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.	
AND WHEREAS 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.		
ASSIGNOR here right, title and int and all Letters Pathereof, and in ar to accrue with resinvention, SAID including any anowhich may be gright to sue for darising from or a renewals, reissue representatives, i	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 utent 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, 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 pertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all excensions 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 as 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.		
	OF INVENTOR Christof HAMPEL Date: 03 03 2045	
Signature:	L'Alleger de la company de la	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email: mail@mwzb.com

Effective, September 16, 2012

Title of Invention	EU-ACTIVATED LUMINOPHORES
As the below nan	ned inventor, I hereby declare that:
This declaration	· · · · · · · · · · · · · · · · · · ·
is directed to:	United States Application or PCT International Application number <u>PCT/EP2013/002597</u> filed on 04 October 2013 P 12/204-st/sw
The above-identit	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 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, it all renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and im and all Letters Ps thereof, and in er to accrue with reinvention, SAID including any anwhich may be gright to sue for d arising from or a renewals, reissue representatives.	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 lerest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any und all the said invention and patent(s), 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, diall carlier 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 ppertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all s, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal n as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and s, if the assignment had not been made.
and foreign cour	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States dries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to appears that may be needed in connection with securing Letters Patents thereon.
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	adersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this mation 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
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.	
	OF INVENTOR Andreas BENKER Date:
Inventor: Signature:	Andreas BENKER Date:

Millen, White, Zelang & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email:: Mail@mw28.com

Effective, September 16, 2012

PATENT REEL: 035558 FRAME: 0856

Title of Invention	EU-ACTIVATED LUMINOPHORES	
As the below nan	ned inventor, I hereby declare that:	
This declaration		
is directed to:	United States Application or PCT International Application number PCT/EF2013/002997 filed on 04 October 2013 P 12/204-sl/sw	
	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.	
all patent(s) lister	Merck Patent OmbH Prankfurter Strasse 250 64293 Darmstadt / DE od 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, recxaminations and extensions thereof.	
ASSIGNOR here right, title and int and all Letters Pathereof, and in an to accrue with resinvention, SAID including any any which may be gright to sue for diarising from or a renewals, reissue remesentatives, i	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 ment 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, it 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 images occurring before the assignment, with all the rights, powers, privileges and advantages in anywise operitaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all s, 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 it, 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	OF INVENTOR Thomas (LESTEL Date: Mand 25th, 2015	
Inventor:	Thomas JUESTEL Date: [Sanda 17 1 11 11]	
Signature:	Lems pt V	
1		

MILLEN, WHITE, ZELANO & BRANKIAN, P.C. ATTORNEYS AT LAW ARENGTON COURTHOUSE PLAZA 2200 CLARENDON BOLLEVARD | SLITE 1400 | ARLINGTON VA 22201 Texessione: 703.243.6333 | PAX: 703.243.6410 ESTATE MATERIANWER COM-

Effective September 16, 2012

PATENT REEL: 035558 FRAME: 0857

RECORDED: 05/04/2015