505348305 02/27/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5395088

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARKUS BERGER	02/19/2018
JESSICA LOHRKE	01/22/2018
CHRISTOPH-STEPHAN HILGER	01/22/2018
GREGOR JOST	02/19/2018
THOMAS FRENZEL	02/19/2018
DETLEV SUELZLE	02/12/2018
JOHANNES PLATZEK	02/01/2018
OLAF PANKNIN	02/19/2018
HUBERTUS PIETSCH	02/19/2018

RECEIVING PARTY DATA

Name:	BAYER PHARMA AKTIENGESELLSCHAFT
Street Address:	MULLERSTR. 178
City:	BERLIN
State/Country:	GERMANY
Postal Code:	13353

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15578687

CORRESPONDENCE DATA

Fax Number:

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.

Email: RIPatents@Bayer.com
Correspondent Name: BAYER HEALTHCARE LLC

Address Line 1: 1 BAYER DRIVE

Address Line 4: INDIANOLA, PENNSYLVANIA 15051

ATTORNEY DOCKET NUMBER:	BHC143006
NAME OF SUBMITTER:	JOSEPH L. KENT
SIGNATURE:	/Joseph L. Kent/

PATENT REEL: 048450 FRAME: 0181

505348305

DATE SIGNED:	02/27/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 13	
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Docket No.: BHC143006

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, **Bayer Pharma Aktiengesellschaft** a corporation organized and existing under the laws of Germany and having a place of business at Mullerstr.178, Berlin 13353, Germany, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, the entire right, title and interest in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made and we further irrevocably designate and appoint assignee and its counsel as my/our attorney-in-fact and agent to act for and on my/our behalf to execute and file any document and to do all other lawfully permitted acts to further the purposes of this Agreement with the same legal force and effect as if executed by assignor himself/herself. I/We acknowledge that assignee is the real party in interest to any and all patent applications described in connection with this Agreement, and to any and all patent rights gran

As	the	below	named	inventor	I here	by d	leclare	that:
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This Assignment with Declaration is directed to:		The attached application, or
	×	United States Application or PCT International Application Number 15/578,687 filed on November 30, 2017 (Confirmation No.8579).

The application is entitled: New Gadolinium Chelate Compounds for Use in Magnetic Resonance Imaging

The above identified application was made or was 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.

I have reviewed and understand the contents of the application and I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this Assignment with Declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

Ell fichecked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the participating of the Application by Participating Office.

REEL: 048450 FRAME: 0183

ME OF SOLE OR FIRST INVENTOR:		
en Name		
st and middle [if any]): Markus	Earnily Name or	Surname: Berger
entor's signature		Date 19.02.2018
sidence: Albrechtstrasse 83, Berlin 12167, DE		Citizenship
iling Address: Albrechtstrasse 83, Berlin 12167, DE		
DTARIZATION FORE ME, the undersigned authority, on this day personally app me is subscribed above, and acknowledged to me that he/she exec pressed. Given under my hand and seal of office, this	neared Markus Berger , known the same for the purposed day of	wn to me to be the person whose ses and consideration therein , 20
tary Public	Notary Public	
nature	Printed Name:	
al]	[stamp]	
AME OF SECOND INVENTOR:		
ven Name		
rst and middle [if any]): Jessica	Family Name or S	Surname: Lohrke
T. AW		
ventor's signature		Date
sidence: Rotschwanzweg 13, Berlin, 12351, DE		Citizenship
ailing Address: Rotschwanzweg 13, Berlin, 12351, DE	·	
PTARIZATION FORE ME, the undersigned authority, on this day personally appene is subscribed above, and acknowledged to me that he/she executoressed. Given under my hand and seal of office, this	eared Jessica Lohrke , know uted the same for the purpos day of	wn to me to be the person whose ses and consideration therein , 20
tary Public	Notary Public	
nature	Printed Name:	
		
al]	[stamp]	
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NAME OF SOLE OR FIRST INVENTOR:		
Given Name		
(first and middle [if any]): Markus	Family Name or Surnan	ne: Berger
		
Inventor's signature		Date
Residence: Albrechtstrasse 83, Berlin 12167, DE		Citizenship
Mailing Address: Albrechtstrasse 83, Berlin 12167, DE		
NOTARIZATION		
BEFORE ME, the undersigned authority, on this day personally appeared M name is subscribed above, and acknowledged to me that he/she executed the expressed. Given under my hand and seal of office, this		
Notary Public	Notary Public	
Notary Public Signature	Printed Name:	
Digitatio		
[seal]	[stamp]	
NAME OF SECOND INVENTOR:		
Given Name		
(first and middle [if any]): Jessica	Family Name or Surnam	e: Lohrke
Inventor's signature (CC), he		Date 22.01.18
Residence: Rotschwanzweg 13, Berlin, 12351, DE		Citizenship
Mailing Address: Rotschwanzweg 13, Berlin, 12351, DE		
NOTARIZATION		CONTRACTOR
BEFORE ME, the undersigned authority, on this day personally appeared Jes		
name is subscribed above, and acknowledged to me that he/she executed the sexpressed. Given under my hand and seal of office, this		consideration therein , 20
		, 40
- · · · · · · · · · · · · · · · · · · ·	Notary Public	
Signature	Printed Name:	
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Urkundenrolle-Nr. R 65 / 2018

Ich habe das Mitwirkungsverbot nach § 3 Abs. 1 Nr. 7 BeurkG erläutert. Meine Frage, ob eine Vorbefassung im Sinne der Vorschrift vorliege, wurde verneint.

Die vor mir geleistete Unterschrift

der Frau Jessica Lohrke, geboren am 6. November 1977,

- von Person bekannt -

geschäftsansässig in 13353 Berlin, Müllerstraße 178,

beglaubige ich

Berlin, 22. Januar 2018

Notar

Kostenberechnung (§ 19 GNotKG)

25100 Beglaubigung einer Unterschrift §§ 121, 98 Abs. 1 GW: 12.000,00 €	20.00 €
26002 (1) Auswärtstätigkeit (4 Halbstunde (n) zu je 50,00 €:11 Dokumente)	18.18 €
32001 Dokumentenpauschale (s/w)	1,50 €
32005 Post- und Telekommunikationspauschale	1,45 €
Zwischensumme netto	41,13 €
32014 Umsatzsteuer 19 %	7,81 €
Summe	48.94 €

Berlin, 22. Januar 2018

Notar

AE OF THIRD INVENTOR:		
iven Name		
(first and middle [if any]): Christoph-Stephan	Family Name or Surnar	ne: Hilger
Inventor's signature Hlqu		Date 22.01.2018
V		
Residence: Langenauerweg 24, Berlin, 13503, DE		Citizenship
Mailing Address: Langenauerweg 24, Berlin, 13503, DE		
NOTARIZATION		
BEFORE ME, the undersigned authority, on this day personally appeared C person whose name is subscribed above, and acknowledged to me that he/sh therein expressed. Given under my hand and seal of office, this		
Notary Public	Notary Public	
Signature	Printed Name:	
[seal]	[stamp]	
F- · · · A	T 73	
		·
NAME OF FOURTH INVENTOR:		
Given Name		
(first and middle [if any]): Gregor	Family Name or Surnan	ne: Jost
Inventor's signature		Date
D '1		Chitica and the
Residence: Sadowastr. 16, Berlin, 10318, DE		Citizenship
Mailing Address: Sadowastr. 16, Berlin, 10318, DE		
NOTARIZATION		
BEFORE ME, the undersigned authority, on this day personally appeared G subscribed above, and acknowledged to me that he/she executed the same fo Given under my hand and seal of office, this day of		
Notary Public	Notary Public	
Signature	Printed Name:	
[seal]	[stamp]	

Urkundenrolle-Nr. R 61 / 2018

Ich habe das Mitwirkungsverbot nach § 3 Abs. 1 Nr. 7 BeurkG erläutert. Meine Frage, ob eine Vorbefassung im Sinne der Vorschrift vorliege, wurde verneint.

Distor mir geleistete Unterschrift

de Nerrn Dr. Stephan Hilger,

geboren 29. Juni 1955,

- von Person bekann

geschäftsansässig in 13353 Berlin Küllerstraße 178,

beglaubige ich.

Berlin, 22. Januar 2018

Notar

Kostenberechnung (§ 19 GNotKG)

25100 Beglaubigung einer Unterschrift §§ 121, 98 Abs. 1 GW: 12.000,00 €	20,00 €
26002 (1) Auswärtstätigkeit (4 Halbstunde (n) zu je 50,00 €:11 Dokumente)	18.18 €
32001 Dokumentenpauschale (s/w)	1,50 €
32005 Post- und Telekommunikationspauschale	<u>1,45 €</u>
Zwischensumme netto	41,13 €
320/14\Umsatzsteuer 19 %	<u> 7,81 €</u>
Summe	48,94 €

Berlin, 22. Januar 2018

Notar

ME OF THIRD INVENTOR:			
ven Name			
st and middle [if any]): Christoph-Stephan		Family Name or Sur	name: Hilger
entor's signature			Date
sidence: Langenauerweg 24, Berlin, 13503, DE			Citizenship
04 P. P. 40500			
ailing Address: Langenauerweg 24, Berlin, 13503 DTARIZATION	, DE		
EFORE ME, the undersigned authority, on this day p rson whose name is subscribed above, and acknowle erein expressed. Given under my hand and seal of o	edged to me that he/s	Christoph-Stephan Hilg she executed the same for day of	ger, known to me to be the r the purposes and consideration , 20
tary Public		Notary Public	
gnature		Printed Name:	
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AME OF FOURTH INVENTOR:			
iven Name			
irst and middle [if any]): Gregor	<u></u>	Family Name or Sur	name: Jost
$\bigcap \mathcal{M}$			
ventor's signature			Date 19.01 (318 Citizenship Druky
O $^{\prime}$ $^{\prime}$			
esidence: Sadowastr. 16, Berlin, 10318, DE			Citizenship JP4KIC
falling Addings, Cadarragen 14 Double 10219 DE			
Address: Sadowastr. 16, Berlin, 10318, DE OTARIZATION			
EFORE ME, the undersigned authority, on this day p	ersonally appeared (Gregor Jost known to m	e to be the person whose name is
bscribed above, and acknowledged to me that he/she	executed the same f		
iven under my hand and seal of office, this	day of		, 20
otary Public		Notary Public	
gnature		Printed Name:	
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eal]		[stamp]	
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ME OF FIFTH INVENTOR:		
en Name	İ	
st and middle [if any]): Thomas	Family Name or S	Surname: Frenzel
entor's signature Thomas Fran	rel	Date 13. Feb 2018
sidence: Paul-Schneider-Str. 41, Berlin, 12247, DE		Date 13. Feb 2015 Citizenship de
iling Address: Paul-Schneider-Str. 41, Berlin, 12247, DF	7	
TARIZATION		
FORE ME, the undersigned authority, on this day personally ne is subscribed above, and acknowledged to me that he/she pressed. Given under my hand and seal of office, this	y appeared Thomas Frenzel know executed the same for the purpose day of	wn to me to be the person whose ses and consideration therein , 20
Duklia	Notary Public	
ary Public nature	Printed Name:	
al]	[stamp]	
ME OF SIXTH INVENTOR:		
ven Name		
st and middle [if any]): Detlev	Family Name or S	Surname: Suelzle
entor's signature		Date 12-2018
sidence: Otternweg 15, Berlin, 13465, DE		Citizenship
uiling Address: Otternweg 15, Berlin, 13465, DE		
OTARIZATION		
FORE ME, the undersigned authority, on this day personally ubscribed above, and acknowledged to me that he/she execu	appeared Detlev Suelzle known	to me to be the person whose name
	ay of	, 20
ary Public	Notary Public	
nature	Printed Name:	
al]	[stamp]	
	J	

AME OF SEVENTH INVENTOR:	
Given Name	
(first and middle [if any]): Johannes	Family Name or Surname: Platzek
Inventor's signature	Date 1.2. Coss
Residence: Grottkauer Str. 55, Berlin, 12621, DE	Citizenship
Mailing Address: Grottkauer Str. 55, Berlin, 12621, DE	
NOTARIZATION BEFORE ME, the undersigned authority, on this day personally appeared Joname is subscribed above, and acknowledged to me that he/she executed the expressed. Given under my hand and seal of office, this	hannes Platzek known to me to be the person whose same for the purposes and consideration therein y of February , 2018
Notary Public Signature Dly au	Notary Public Printed Name: Dr. Markus Dekr. 1884
[seal]	[stamp] Dr. Markus Dohr Notar Neumarkt 11 **\mathcal{D}\$- 42103 Wuppertal-Elberfeld} Tel.: 0202 - 97 40 900 Fax: 0202 - 97 40 929
NAME OF EIGHTH INVENTOR:	

NAME OF EIGHTH INVENTOR:	
Given Name	
(first and middle [if any]): Olaf	Family Name or Surname: Panknin
Inventor's signature	Date
Residence: Parkstrasse 36, Berlin 13187, DE	Citizenship
Mailing Address: Parkstrasse 36, Berlin 13187, DE	
NOTARIZATION	
BEFORE ME, the undersigned authority, on this day personally appeared O	
is subscribed above, and acknowledged to me that he/she executed the same Given under my hand and seal of office, this day of	, 20 .
Notary Public	Notary Public Printed Name:
Signature	rimed name.
[seal]	[stamp]

ME OF SEVENTH INVENTOR:		· · · · · · · · · · · · · · · · · · ·
en Name		
t and middle [if any]): Johannes	Family Name or Surname: Platzek	
ntor's signature	Date	
Continuous Star SS Banks 12621 DE	Cition alia	
idence: Grottkauer Str. 55, Berlin, 12621, DE	Citizenship	
ling Address: Grottkauer Str. 55, Berlin, 12621, DE		
TARIZATION		
ORE ME, the undersigned authority, on this day personally	appeared Johannes Platzek known to me to be the person who executed the same for the purposes and consideration therein day of , 20	ese
ary Public	Notary Public	
ature	Printed Name:	
]	[stamp]	
J	[Stamp]	
·		
ME OF EIGHTH INVENTOR:		
en Name	Family Name or Surname: Panknin	
	Family Name or Surname: Panknin	
en Name		re g
en Name t and middle [if any]): Olaf		re g
en Name t and middle [if any]): Olaf		ea.
en Name t and middle [if any]): Olaf ntor's signature	Family Name or Surname: Panknin Date 19 0 ?= Citizenship Germ	es g
en Name t and middle [if any]): Olaf ntor's signature dence: Parkstrasse 36, Berlin 13187, DE ing Address: Parkstrasse 36, Berlin 13187, DE		ecc.
en Name t and middle [if any]): Olaf attor's signature dence: Parkstrasse 36, Berlin 13187, DE ing Address: Parkstrasse 36, Berlin 13187, DE TARIZATION	Date 1907 25 Citizenship Germ	
en Name t and middle [if any]): Olaf Intor's signature dence: Parkstrasse 36, Berlin 13187, DE Intorial ing Address: Parkstrasse 36, Berlin 13187, DE TARIZATION ORE ME, the undersigned authority, on this day personally	Date 19 0 2 5 Citizenship Carry appeared Olaf Panknin known to me to be the person whose na	ame
en Name t and middle [if any]): Olaf ntor's signature dence: Parkstrasse 36, Berlin 13187, DE ing Address: Parkstrasse 36, Berlin 13187, DE TARIZATION ORE ME, the undersigned authority, on this day personally bscribed above, and acknowledged to me that he/she execur	Date 1907 25 Citizenship Germ	ame
en Name t and middle [if any]): Olaf ntor's signature dence: Parkstrasse 36, Berlin 13187, DE ing Address: Parkstrasse 36, Berlin 13187, DE TARIZATION ORE ME, the undersigned authority, on this day personally bscribed above, and acknowledged to me that he/she execur	Date 19 0 2 2 = Citizenship Carry appeared Olaf Panknin known to me to be the person whose nated the same for the purposes and consideration therein expressed	ame
en Name t and middle [if any]): Olaf Intor's signature dence: Parkstrasse 36, Berlin 13187, DE ing Address: Parkstrasse 36, Berlin 13187, DE TARIZATION ORE ME, the undersigned authority, on this day personally bscribed above, and acknowledged to me that he/she executed under my hand and seal of office, this	Date 19 0 2 5 Citizenship Carra appeared Olaf Panknin known to me to be the person whose nated the same for the purposes and consideration therein expressed by of , 20 .	ame
en Name t and middle [if any]): Olaf Intor's signature dence: Parkstrasse 36, Berlin 13187, DE ing Address: Parkstrasse 36, Berlin 13187, DE TARIZATION ORE ME, the undersigned authority, on this day personally bscribed above, and acknowledged to me that he/she executed under my hand and seal of office, this denoted the state of the sta	Date 19 0 2 5 Citizenship Carry appeared Olaf Panknin known to me to be the person whose named the same for the purposes and consideration therein expressed by of , 20 . Notary Public	ame

ME OF NINTH INVENTOR:		
ren Name st and middle [if any]): Hubertus	Family Name or Surname: Pietsch	
entor's signature	Date My 2, 2003	
sidence: Maerkische Heide 71, Kleinmachnow, 14532, DE	Citizenship &	
ailing Address: Maerkische Heide 71, Kleinmachnow, 14532, DE	J	
DTARIZATION EFORE ME, the undersigned authority, on this day personally appeared Hume is subscribed above, and acknowledged to me that he/she executed the pressed. Given under my hand and seal of office, this	subertus Pietsch known to me to be the person whose same for the purposes and consideration therein y of	
otary Public gnature	Notary Public Printed Name:	
eal]	[stamp]	
	}	

C143006 PCT-US

Beglaubigungsvermerk

Vorstehende, vor mir in 13353 Berlin, Müllerstraße 178, wohin ich mich auf Ersuchen begeben hatte, vollzogene Unterschrift des

Herrn **Detlev** Alfred Franz Sülzle geb. am 26.05.1959 wohnhaft in 13465 Berlin, Otternweg 15,

beglaubige ich hiermit.

Der Unterzeichner wies sich zur Gewissheit der Notarin durch Vorlage seines gültigen, deutschen Lichtbildausweises aus.

Ich habe den Unterzeichner nach einer Vorbefassung im Sinne des § 3 Abs. 1 Nr. 7 BeurkG gefragt. Die Frage wurde verneint.

Berlin, den 12.02.2018

M a i e r Notarin

UR-Nr. 118/2018



Beglaubigungsvermerk

Vorstehende, vor mir in 13353 Berlin, Müllerstraße 178, wohin ich mich auf Ersuchen begeben hatte, vollzogene Unterschrift des

- Herrn Dr. Markus Berger geb. am 06.06.1968 wohnhaft in 12167 Berlin, Albrechtstraße 83,
- Herrn Gregor Jost geb. am 01.03.1976 wohnhaft in 10318 Berlin, Sadowastraße 16,
- Herrn Dr. Thomas Frenzel geb. am 11.11.1957 wohnhaft in 12247 Berlin, Paul-Schneider-Straße 41,
- Herrn Olaf Panknin geb. am 03.09.1973 wohnhaft in 13187 Berlin, Parkstraße 36,

Herrn Dr. Hubertus Pietsch eb. am 10.12.1967 www.nhaft in 14532 Kleinmachnow, Märkische Heide 71,

beglaubiger h hiermit.

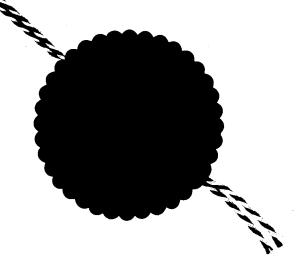
Die Unterzeichne wiesen sich zur Gewissheit der Notarin durch Vorlage ihrer gültigen, deutschen Lichtbild sweise aus.

Ich habe die Unterzeichert nach einer Vorbefassung im Sinne des § 3 Abs. 1 Nr. 7 BeurkG gefragt. Die Frage verneint.

Berlin, den 19.02.2018

Maier Notarin/

UR-Nr. 150/2018



PATENT REEL: 048450 FRAME: 0195

^Þ RECORDED: 02/27/2019