504444265 07/06/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRICE ULRICH TCHOUADJE, LEGAL REPRESENTATIVE OF THE ESTATE OF PHILIPPE NZIKE	05/02/2017

RECEIVING PARTY DATA

Name:	SANOFI-AVENTIS DEUTSCHLAND GMBH
Street Address:	BRUNINGSTRASSE 50
City:	FRANKFURT AM MAIN
State/Country:	GERMANY
Postal Code:	D-65929

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15518388

CORRESPONDENCE DATA

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

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 (617) 521-7055

 Email:
 apsi@fr.com

Correspondent Name: ANDREW REJENT

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Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 37488-0571US1		
NAME OF SUBMITTER: CHRISTINE M. GRACE		
SIGNATURE:	/Christine M. Grace/	
DATE SIGNED:	07/06/2017	

Total Attachments: 5

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PATENT 504444265 REEL: 042915 FRAME: 0305

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ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED and intending to be legally bound, We, the undersigned Legal Representative(s) of the Estate of Philippe Nzike (Administrators), sell, assign and transfer to SANOFI-AVENTIS DEUTSCHLAND GMBH (Assignee), Brüningstrasse 50, D-65929 Frankfurt am Main, Germany and its successors, assigns and legal representatives, the entire and exclusive right, title and interest in and to the invention(s) and any improvements thereon, for all countries of the world, relating in and to the applications listed on the attached "Exhibit A" and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, including the right to claim priority based on said United States application, and under any and all Letters Patent which may be granted therefor, and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country or patent organization, including, without limitation, continuations, divisions, renewals, revivals, and any substitute applications of said United States application, and any and all patents which may issue thereon, and any reissues, reexaminations, pipelines and extensions, and governmental exclusivity rights of the same; and we hereby authorize and request the USPTO and any foreign patent authority or office whose duty it is to issue patents on applications or priorities as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment.

Philippe Nzike, who is now deceased, is an original inventor of the claimed invention(s) and as Administrators, we authorize the filing of a patent application for the claimed invention(s).

As Administrators, we authorize and request competent authorities to grant and issue any and all patents on said invention(s) to said assignee or its successor, assigns and legal representatives, or to such nominees as said assignee may designate.

As Administrators, we agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, testify in any legal proceedings, and do all acts which may be necessary, desirable or convenient for securing, maintaining, and enforcing patents for said invention(s) in any and all countries and for vesting title thereto in said assignee, its successors, assigns, legal representatives or nominees.

As Administrators, we covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed and that we will not enter into any assignment, contract, or understanding in conflict herewith.

As Administrators, we hereby acknowledge that any willful false statements made in this assignment are punishable by fine or imprisonment, or both, under Title 18, United States code §1001.

Assignment Page 2

Signed	lat				
	(City, State and N	ation)			
	Signature: Inventor's Name:	Deceased – Legal PHILIPPE NZIKE	representati	ive signature below	
Legal F	Representative of the	Estate of Philippe N	Izike		
Date:	707,05.20A	7			
Name Repres	of Legal Represéntati sentative's Residence sentative's Citizenship	ve: Brice Ulrich Tch : Filderbahnplatz 3 o: Cameroon	10uadje 5, 70567 Stut	ntative of the Estate of Philippe Nzik Ittgart, Germany 0567 Stuttgart, Germany	е
	ssed by: $\int_{\rho_0 a}$	<u>.</u>		14	
Signati Name:		D.510	Signature: Name:	* JDEL NJIO	_

Exhibit A

Family Number	Case Reference	Application	Filing Date
	DE2009/099-EP-EPA	09008311.4	25 Jun 2009
DE2009/099	DE2009/099-WO-PCT	PCT/EP2010/058942	23 Jun 2010
	DE2009/099-US-PCT	13/380773	23 Jun 2010
	DE2009/202-EP-EPA	09174962.2	03 Nov 2009
	DE2009/202-WO-PCT	PCT/EP2010/066552	01 Nov 2010
	DE2009/202-US-PCT	13/504296	01 Nov 2010
DE2009/202	DE2009/202-US-CNT	13/711917	12 Dec 2012
	DE2009/202-US-CNT[2]	15/370916	06 Dec 2016
	DE2010/164-EP-EPA	10474000.0	
	DE2010/164-WO-PCT	10174999.2	02 Sep 2010
DE2010/164	DE2010/164-US-PSP	PCT/EP2011/063444	04 Aug 2011
DE2010/104	DE2010/164-US-CNT	61/371237	06 Aug 2010
	DE2010/104-03-011	14/815977	30 Jul 2015
	DE2010/165-EP-EPA	10175000.8	02 Sep 2010
	DE2010/165-WO-PCT	PCT/EP2011/063445	04 Aug 2011
DE2010/165	DE2010/165-US-PSP	61/371235	06 Aug 2010
DE2010/103	DE2010/165-US-PCT	13/810504	04 Aug 2011
	DE2010/165-US-CNT[2]	14/191757	27 Feb 2014
	DE2010/200-EP-EPA	10188745.3	25 Oct 2010
	DE2010/200-WO-PCT	PCT/EP2011/068388	21 Oct 2011
DE2010/200	DE2010/200-US-PCT	13/880763	21 Oct 2011
	DE2010/227-EP-EPA	40400040.0	
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DE2010/227	DE2010/227-US-PCT	PCT/EP2011/069962	11 Nov 2011
	<u> </u>	13/883393	11 Nov 2011
	DE2010/229-EP-EPA	10190942.2	12 Nov 2010
DE2010/229	DE2010/229-WO-PCT	_PCT/EP2011/069963	11 Nov 2011
	DE2010/229-US-PCT	13/883394	11 Nov 2011
	DE2011/095-EP-EPA	11165122.0	06 May 2011
DE2011/095	DE2011/095-WO-PCT	PCT/EP2012/058261	04 May 2012
012011,055	DE2011/095-US-PCT	14/115341	04 May 2012
	DE2011/100-EP-EPA	11165130.3	06 May 2011
DE2011/100	DE2011/100-WO-PCT	PCT/EP2012/058267	04 May 2012
	<u>DE2011/100-US-PCT</u>	14/115813	04 May 2012
	DE2011/195-EP-EPA	11182226.8	21 Sep 2011
DE2011/195	DE2011/195-WO-PCT	PCT/EP2012/068694	21 Sep 2012
DEE011/130	DE2011/195-US-PCT	14/343726	21 Sep 2012
	DE2011/195-US-CNT	N/A	N/A

Exhibit A

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Family Number	Case Reference	Application	Filing Date
	12204 25		4.24.05
	DE2011/196-EP-EPA	11182228.4	21 Sep 2011
DE2011/196	DE2011/196-WO-PCT	PCT/EP2012/068695	21 Sep 2012
	DE2011/196-US-PCT	14/240797 N/A	21 Sep 2012
	DE2011/196-US-CNT		N/A
	DE2011/197-EP-EPA	11182230.0	21 Sep 2011
DE2011/197	DE2011/197-WO-PCT DE2011/197-US-PCT	PCT/EP2012/068697	21 Sep 2012
	DE2011/191-05-PC1	14/342278	21 Sep 2012
	DE2011/231-EP-EPA	11186229.8	21 Oct 2011
DE2011/231	DE2011/231-WO-PCT	PCT/EP2012/070110	11 Oct 2012
DE2011/231	DE2011/231-US-PCT	14/352358	11 Oct 2012
			11 0002012
	DE2012/035-EP-EPA	12156425.6	22 Feb 2012
DE2012/035	DE2012/035-WO-PCT	PCT/EP2013/053302	20 Feb 2013
	DE2012/035-US-PCT	14/380140	20 Feb 2013
į	DE2012/150-EP-EPA	12187873.0	10 Oct 2012
DE2012/150	DE2012/150-WO-PCT	PCT/EP2013/070880	08 Oct 2013
	DE2012/150-US-PCT	14/433610	08 Oct 2013
	DE2013/182-EP-EPA	13183149.7	00.0
	DE2013/182-WO-PCT	PCT/EP2014/068594	05 Sep 2013
DE2013/182	DE2013/182-US-PCT	14/916,662	02 Sep 2014
		14/0/10,002	04 Mar 2016
	DE2013/183-EP-EPA	13183150.5	05 Sep 2013
DE2012/102	DE2013/183-WO-PCT	PCT/EP2014/068595	02 Sep 2014
DE2013/183	DE2013/183-US-PCT	14/916664	04 Mar 2016
			04 Wat 2010
	DE2013/184-EP-EPA	13183151.3	05 Sep 2013
DE2013/184	DE2013/184-WO-PCT	PCT/EP2014/068596	02 Sep 2014
	DE2013/184-US-PCT	14/916,674	04 Mar 2016
	DE2013/185-EP-EPA	13183152.1	05 Sep 2013
DE2013/185	DE2013/185-WO-PCT	1	02 Sep 2014
DE2013/103	DE2013/185-US-PCT		04 Mar 2016
	DE2013/186-EP-EPA	13183153.9	05 Sep 2013
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	DE2013/186-US-PCT	14/916,669	04 Mar 2016
	DE2013/187-EP-EPA	13183154.7	05 Con 2010
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	DE2013/187-US-PCT		02 Sep 2014 04 Mar 2016
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	DE2013/188-EP-EPA	13183156.2	05 Sep 2013
	DE2013/188-WO-PCT	I	02 Sep 2014
<u> </u>	DE2013/188-US-PCT	1.	04 Mar 2016

Exhibit A

Family Number	Case Reference	Application	Filing Date
DE2014/121	DE2014/121-EP-EPA	14189281.0	16 Oct 2014
DE2014/121	DE2014/121-WO-PCT	PCT/EP2015/073607	13 Oct 2015

PATENT REEL: 042915 FRAME: 0311

RECORDED: 07/06/2017