505328013 02/13/2019

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5374794

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL JOSEPH KENNEDY	02/11/2019
BRIAN P. MAYER	02/11/2017
CARLOS A. VALDEZ	02/11/2019

RECEIVING PARTY DATA

Name:	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	
Street Address:	2300 FIRST STREET	
Internal Address:	SUITE 204	
City:	LIVERMORE	
State/Country:	CALIFORNIA	
Postal Code:	94550	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15630869

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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Address Line 4: SEATTLE, WASHINGTON 98111-1247

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NAME OF SUBMITTER:	TATJANA MIRKOVIC
SIGNATURE:	/Tatjana Mirkovic/
DATE SIGNED:	02/13/2019

Total Attachments: 3

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ASSIGNMENT

LLNL Record of Invention Case No. IL-13067	, entitled:
	Selective Sequestration of Fentanyls: Synthesis ompounds and Their Potential Applications
For good and valuable consideration, the receipt of wh	ich is hereby acknowledged, ASSIGNOR(s)
Daniel Joseph Kennedy	2. Brian P. Mayer
3. Carlos A. Valdez	4.
hereby sells, assigns, transfers, and conveys to ASS Corporation, having its administrative offices locate successors, assigns and legal representative of the AS	SIGNEE, Lawrence Livermore National Security, LLC, a Delaware ed at 2300 First Street, Suite 204, Livermore, CA 94550 and the SIGNEE all of its right, title and interest throughout the world in and above-listed LLNL Record of Invention Case No. and in:
U.S. Provisional Application Serial No.	, filed on
• U.S. Patent Application Serial No. 15/63	0,869 , filed on 06/22/2017
International Application Serial No.	, filed on
be obtained for said inventions and discoveries by the part, extension or substitute thereof, and any reissue, all International Conventions for the Protection of Indu-ASSIGNOR(S) hereby covenants that no assignment, into which would conflict with this assignment; ASSIGNOR(S) further covenants that ASSIGNEE wire documents relating to said invention and said Letter ASSIGNOR and will testify as to the same in any interescute and deliver to ASSIGNEE or its legal represe for, obtain, maintain, issue or enforce said application which may be necessary or desirable to carry out the part the execution of this assignment to insert into this as officially known. AND the ASSIGNOR(S) requests the Commissioner	including the right to claim priority, and in and to all Letters Patent to e above application(s) or any continuation, division, continuation-in-reexamination or extension of said Letters Patent and all rights under astrial Property; sale, agreement or encumbrance has been or will be made or entered all, upon its request, be provided promptly with all pertinent facts and as Patent and legal equivalents as may be known and accessible to efference, litigation, or proceeding relating thereto and will promptly entative any and all papers, instruments or affidavits required to apply any and invention and said Letters Patent and said equivalents thereof urposes thereof. An attorney of record is authorized and requested by signment the filing date and serial number of said application when of Patents and Trademarks to issue said Letters Patent of the United IGNEE, Lawrence Livermore National Security, LLC.
executed this	Signature of ASSIGNOR(s)
7/11/2019	4 = 11-1
Date	Daniel Joseph Kennedy
executed this	Signature of ASSIGNOR(s)
Date	Brian P. Mayer
executed this	Signature of ASSIGNOR(s)
Date	Carlos A. Valdez

ASSIGNMENT

LLN	IL Record of Invention	Case No. IL-1306	, entitl	ed:		
Modified Cyclodextrins for the Selective Sequestration of Fentanyls: Synthesis of Subetadex and Related Compounds and Their Potential Applications						
For	good and valuable con	sideration, the receip	ot of which is hereby	acknowledged, ASSI	GNOR(s)	
1	Daniel Joseph Kenned	ly	2. <u></u>	Brian P. Mayer		
3	Carlos A. Valdez	والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	4.			
Corp	by sells, assigns, tran poration, having its a essors, assigns and leg by and all inventions ar	dministrative offices gal representative of	located at 2300 F the ASSIGNEE all	First Street, Suite 20 of its right, title and i	4, Livermore, Conterest throughout	CA 94550 and the ut the world in and
0	U.S. Provisional Ap	plication Serial No.	One of the second secon	, filed on		-
9				, filed on		
9	International Applic	ation Serial No.		, filed on		-
and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to all Letters Patent to be obtained for said inventions and discoveries by the above application(s) or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property; ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when						
AND State	ially known. the <u>ASSIGNOR(S)</u> r s and any reissue or ex		e ASSIGNEE, Lawr	ence Livermore Natio		
exect	uted this		Signatur	e of ASSIGNOR(s)		
	Date		Daniel .	Joseph Kennedy		
execu	ited this		Signatur	e of ASSIGNOR(s)		
	2/11/17		Z	PVA		
	Date		Brian P	·		
execu	nted this			e of ASSIGNOR(s)		
	Date		Carios A	A. Valdez		

ASSIGNMENT

LLNL Record of Invention Case No. IL-13067, entitled:			
Modified Cyclodextrins for the Selective Sequestration of Fentanyls: Synthesis of Subetadex and Related Compounds and Their Potential Applications			
For good and valuable consideration, the receip	t of which is hereby acknowledged, ASSIGNOR(s)		
1. Daniel Joseph Kennedy	2. Brian P. Mayer		
3. Carlos A. Valdez	4.		
hereby sells, assigns, transfers, and conveys to ASSIGNEE, Lawrence Livermore National Security, LLC, a Delaware Corporation, having its administrative offices located at 2300 First Street, Suite 204, Livermore, CA 94550 and the successors, assigns and legal representative of the ASSIGNEE all of its right, title and interest throughout the world in and to any and all inventions and discoveries found in the above-listed LLNL Record of Invention Case No. and in:			
U.S. Provisional Application Serial No.	, filed on		
	15/630,869 , filed on <u>06/22/2017</u>		
International Application Serial No.	, filed on		
and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to all Letters Patent to be obtained for said inventions and discoveries by the above application(s) or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property; ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known. AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, Lawrence Livermore National Security, LLC.			
executed this	Signature of ASSIGNOR(s)		
Date	Daniel Joseph Kennedy		
executed this	Signature of ASSIGNOR(s)		
Date	Brian P. Mayer		
executed this	Signature of ASSIGNOR(s)		
2/11/19	(il Milly		
Date	Carlos A. Valdez		

PATENT REEL: 048323 FRAME: 0721

RECORDED: 02/13/2019