OP \$115.00 88169217

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 ETAS ID: TM713823

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Acer Therapeutics Inc.		03/04/2022	Corporation: DELAWARE

RECEIVING PARTY DATA

Name:	SWK Funding LLC
Street Address:	14755 Preston Road, Suite 105
City:	Dallas
State/Country:	TEXAS
Postal Code:	75254
Entity Type:	Limited Liability Company: DELAWARE

PROPERTY NUMBERS Total: 4

Property Type	Number	Word Mark
Serial Number:	88169217	EDSIVO
Serial Number:	88814846	OLPRUVA
Serial Number:	88814853	ZEVVEZ
Serial Number:	90559398	MIX-AID

CORRESPONDENCE DATA

Fax Number: 6175236850

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: 617-523-2700

Email: susan.dinicola@hklaw.com

Correspondent Name: Holland & Knight LLP Address Line 1: 10 St. James Avenue

Address Line 4: Boston, MASSACHUSETTS 02116

NAME OF SUBMITTER:	Susan C. DiNicola
SIGNATURE:	/Susan C. DiNicola/
DATE SIGNED:	03/11/2022

Total Attachments: 19

source=SWK-Acer Therapeutics IP Security Agreement (Executed)#page1.tif source=SWK-Acer Therapeutics IP Security Agreement (Executed)#page2.tif source=SWK-Acer Therapeutics IP Security Agreement (Executed)#page3.tif

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of March 4, 2022 (as may be amended, restated, amended and restated, waived, supplemented, or otherwise modified from time to time, this "<u>Agreement</u>"), made by ACER THERAPEUTICS INC., a Delaware corporation ("<u>Grantor</u>"), in favor of SWK FUNDING LLC, a Delaware limited liability company as agent (in such capacity, "<u>Agent</u>") for the Lenders (as defined below) party to the Credit Agreement (as defined below).

WITNESSETH:

WHEREAS, pursuant to that certain Credit Agreement, dated on or about the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), by and among Grantor, as the borrower, Agent and the financial institutions party thereto from time to time as lenders (each a "Lender" and collectively, the "Lenders"), Agent and Lenders have agreed to make certain financial accommodations available to Grantor, and pursuant to that certain Guarantee and Collateral Agreement, dated on or about the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the "Guarantee and Collateral Agreement"), by and among Grantor, the other grantors party thereto from time to time, and Agent, Grantor has granted a security interest to Agent, for the benefit of Agent and Lenders, in, among other things, all right, title and interest of Grantor in, to and under all of Grantor's Intellectual Property (as defined in the Credit Agreement), whether now existing or hereafter arising or acquired as security for the Obligations; and

WHEREAS, Grantor is the owner of the entire right, title and interest in, to and under the Intellectual Property listed on <u>Schedule I</u> hereto, as applicable.

NOW, THEREFORE, in consideration of the premises and to induce Agent and Lenders to enter into the Credit Agreement, Grantor hereby agrees with Agent as follows:

1. **Defined Terms.**

(a) <u>Definitions</u>. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided in the Guarantee and Collateral Agreement.

(b) Other Definitional Provisions.

- (i) The words "hereof," "herein" and "hereunder" and words of similar import when used in this Agreement shall refer to this Agreement as a whole and not to any particular provision of this Agreement, and section and paragraph references are to this Agreement unless otherwise specified.
- (ii) The meanings given to terms defined herein shall be equally applicable to both the singular and plural forms of such terms.
- 2. Grant of Security Interest. To secure the payment and performance of the Secured Obligations, Grantor hereby confirms and acknowledges that it has granted (and, to the extent not previously granted under the Guarantee and Collateral Agreement, does hereby grant) to Agent, for the benefit of Agent and Lenders, a lien and security interest in Grantor's entire right, title and interest in its Intellectual Property and all proprietary rights relating to or arising from such Intellectual Property, in each case whether now owned or hereafter acquired by Grantor, and including, without limitation, Grantor's right, title and interest in and to the Intellectual Property and proprietary rights identified on Schedule I

attached hereto and made a part hereof, and the right to sue for past, present and future infringements and dilutions, and all rights corresponding thereto throughout the world, and the entire goodwill of Grantor's business connected with and symbolized by such Intellectual Property and all income, fees, royalties, proceeds and other payments at any time due or payable with respect to any of the foregoing (referred to collectively as the "IP Collateral"); provided, that the IP Collateral shall not include the Excluded Property. This Agreement is not to be construed as an assignment of any Intellectual Property.

- 3. No Limitation; Loan Documents. This Agreement has been executed and delivered by Grantor for the purpose of recording the security interest granted to Agent with respect to the IP Collateral with the United States Patent and Trademark Office, the United States Copyright Office, as well as with any similar office or department of any other foreign or domestic Governmental Authority. The security interest granted hereby has been granted as a supplement to, and not in limitation of, the security interest granted to Agent, for the benefit of Agent and Lenders, under the Guarantee and Collateral Agreement and the other Loan Documents, and Grantor hereby acknowledges and affirms that the rights and remedies of the Agent with respect to the security interest in the IP Collateral made and granted hereby are more fully set forth in the Guarantee and Collateral Agreement. The other Loan Documents (and all rights and remedies of Grantor, Agent, and Lenders thereunder) shall remain in full force and effect in accordance with their terms.
- **4.** <u>Binding Effect; Benefits.</u> This Agreement shall be binding upon Grantor and its successors and assigns, and shall inure to the benefit of Agent, Lenders and their respective successors and assigns.
- 5. GOVERNING LAW. THIS AGREEMENT SHALL BE A CONTRACT MADE UNDER AND GOVERNED BY THE INTERNAL LAWS OF THE STATE OF NEW YORK APPLICABLE TO CONTRACTS MADE AND TO BE PERFORMED ENTIRELY WITHIN SUCH STATE.
- 6. <u>Counterparts</u>; <u>Electronic Signatures</u>. This Agreement may be executed in counterparts with the same effect as if all parties had executed the same document. All counterparts shall be construed together and shall constitute a single agreement. Further, the parties hereto consent and agree that this Agreement may be signed and/or transmitted by e-mail of any .pdf file, .jpeg file, or any other electronic or image file, or any "electronic signature" as defined under the U.S. Electronic Signatures in Global and National Commerce Act or the New York Electronic Signatures and Records Act, which includes any electronic signature provided using Orbit, Adobe Sign, DocuSign, or any other similar platform identified by the parties hereto and reasonably available at no undue burden or expense to the Agent), except to the extent the Agent requires otherwise. Any such electronic signatures shall be valid, effective and legally binding as if such electronic signatures were handwritten signatures and shall be deemed to have been duly and validly delivered for all purposes hereunder. No party hereto shall raise the use of e-mail or other electronic transmission to deliver a signature or the fact that any signature or agreement or amendment was transmitted or communicated through the use of e-mail or other electronic transmission as a defense to the formation or enforceability of a contract and each such party forever waives any such defense.
- 7. <u>Conflicting Terms</u>. In the event of any conflict or inconsistency between the terms of this Agreement and the terms of the Credit Agreement or the Guarantee and Collateral Agreement, as the case may be, the terms of the Credit Agreement or the Guarantee and Collateral Agreement, as applicable, shall control.

[Remainder of page intentionally blank; signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be executed by its duly authorized representatives as of the date first above written.

GRANTOR:

Name:

Title:

ACER T	THERAPEUTICS INC.,			
a Delawa	are corporation			,DS
	DocuSigned by:	cLo	Review:	DRJ
Par.				,

Chief Executive Officer

COFO:

AGENT:

SWK FUNDING LLC, a Delaware limited liability company, as Agent and a Lender

By: SWK Holdings Corporation, a Delaware corporation, its sole Manager

Name: Winston Black

Title: Chief Executive Officer

Schedule I

Intellectual Property

(See Attached)

[SWK-Acer Therapeutics] Intellectual Property Security Agreement #155149459

51078-T14WO2	51078-T14001	51078-T13001	51078-T12001	C&E Reference 51078-702BR2 51078-702A2 51078-703001 51078-712WO2
Renewal Fee	File Extension/Statement of Use	File Extension/Statement of Use	File Extension/Statement of Use	Next Upcoming Action Due Renewal Fee Renewal Fee File Statement of Use/Re-file Renewal Fee
9/2/2031	7/4/2022	2/18/2022	2/18/2022	Deadline 12/4/2028 7/29/2030 4/23/2022 8/25/2030
WIPO- Madrid Protocol MIX-AID (Designations: AU - Australia, BR - Brazil, CA - Canada, CH - Switzerland, CN - China, CO - Columbia, EM - European Union, GB- United Kingdom, JP - Japan, KR - Korea, MX - Mexico, NZ - New Zealand, and TR - Turkey)	US - United States	US - United States	US - United States	Country Mark BR - Brazil EDSIVO CA - Canada EDSIVO US - United States EDSIVO WIPO - Madrid Protocol OLPRUVA (Designations: AU - Australia, BR - Brazil, CA - Canada, CH - Switzerland, CO - Columbia, EM - European Union, GB- United Kingdom, JP - Japan, KR - Korea, MX - Mexico, and TR - Turkey) Mark EDSIVO EDSI
MIX-AID	MIX-AID	ZEVVEZ	OLPRUVA	EDSIVO EDSIVO EDSIVO EDSIVO
Registered in WIPO (Not yet registered in all designated countries/ regions)	Allowed	Allowed	Allowed	Registered Registered Allowed Allowed Registered in WIPO (Not yet registered in all designated countries/ regions)
A0113167	90/559,398	88/814,853	88/814,846	Serial No. 913319473 1.855.144 86/169.217 A0099587
9/2/2021	3/4/2021	2/28/2020	2/28/2020	Filing Date 8/31/2017 8/30/2017 8/30/2017 10/25/2018 8/25/2020
			•	Publication No. 913319473 1,855,144
	11/9/2021	6/23/2020	6/23/2020	Publication Date (P107) (10/24/2018 (2/26/2019 -
1619736				Registration No. 913319473 1,080,814 1553914
9/2/2021				Publication Date Registration No. Registration Date Renewal date Publication Date Renewal date Publication Date Renewal date T/29/2018 T/29/2030 T
9/2/2031		•		tit Renewal date 12/4/2028 7/29/2030 8/25/2030



A. Formulation / Composition of Matter

ACER-001

PRIVILEGED & CONFIDENTIAL

Case Description	Next Upcoming	Deadline	Country	Application Type	Status	Serial No.	Filing Date	Publication Date	Patent No.	Issue Date	Expiration date
	Action Due										
PALATABLE COMPOSITIONS INCLUDING SODIUM PHENYLBUTYRATE AND USES THEREOF	SITIONS INCLUDI	ING SODIUM PH	IENYLBUTYRATE	AND USES THER	EOF						
	Maintenance	10/16/2024	US - United						11 15/ 501	10/26/20	2
51078-003003	Fee		States		Issued				11,134,321	T0/ 70/ 707 T	
	Maintenance	12/21/2024	batinU - SU						11 202 767	רחר/ זר/ כז	
51078-003005	Fee		States		Issued				11,202,707	12/21/2021	
51078-003AU2	Annuity Payment	10/17/2021	AU - Australia	National Stage	Published	2016398029	10/17/2016	10/11/2018	1	1	
	Request Examination	10/17/2021	2	National							
51078-003AU2	Awaiting		AU-	Stage	Published	2016398029		10/11/2018	1	1	
51078-003BH2	action by	1	RH - Rahrain	National	Pending	166/2018	10/17/2016	1	1	1	_
	Bahraini		0	Stage							_
	Patent Office										L
	Awaiting										_
51079 002BD3	response by	ı	BD Brazil	National	Dishod	BD113019069665.4	10/17/2016	2/⊑/2010			_
210/0-003082	Brazilian	ı	DN - DI dZII	Stage	Published	DRIIZUIOUBOBBS-4	TU/ T// ZUTO	6T07/c/7	1	1	
	Patent Office										L_
	Annuity	10/17/2021		National							_
51078-003BR2	Payment	10/1//2021	BR - Brazil	Stage	Published	BR112018068665-4	10/17/2016	2/5/2019	1	1	_
51078-003CA2	Annuity	10/17/2021	CA - Canada	National	Published	3,017,573		9/21/2017	1	•	_
	Payment	TO/ T// ZOZI		Stage							
	Request	10/17/2021		National							
51078-003CA2	Examination	10/1//2021	CA - Canada	Stage	Published	3,017,573	10/17/2016	9/21/2017	1		
51078-003EP2	Reply to	E /E /2021	EP - Europe	National	Published	16894786.9		1/23/2019	1	1	
) fr	7/3/2021		7							-

Confidential

51078-003EP2 51078-003IL2

Annuity Payment

10/17/2021

EP - Europe IL - Israel

National Stage Stage

Published Published

16894786.9 261777

10/17/2016 10/17/2016

1/23/2019 10/31/2018

Reply to Office Action

5/5/2021

51078-003005	51078-003004	51078-003003	51078-003WO2	51078-003001	51078-003AE2	51078-003SA2	51078-003QA2	51078-003OM2	51078-003NZ2	51078-003NZ2	51078-003MX2	51078-003KW2	51078-003KR2	51078-003JP2	Case Description and Number	
Awaiting action by US Patent Office	Awaiting action by US Patent Office	Awaiting action by US Patent Office	Expired	Expired	Annuity Payment	Reply to Office Action	Annuity Payment	Annuity Payment	Request Examination	Annuity Payment	Awaiting response by Mexican Patent Office	Annuity Payment	Request Examination	Reply to Office Action	Next Upcoming Action Due	Awaiting response by Israeli Patent Office
1	1	1	•	1	10/17/2021	6/8/2021	10/17/2021	10/17/2021	10/17/2021	10/17/2021	1/24/2021	1/1/2021	10/17/2021	7/6/2021	Deadline	1
US - United States	US - United States	US - United States	WO - Patent Cooperation Treaty	US - United States	AE - United Arab Emirates	SA - Saudi Arabia	QA - Qatar	Zealand OM - Oman	NZ - New	NZ - New Zealand	MX - Mexico	KW - Kuwait	KR - Republic of Korea	JP - Japan	Country	
Continuation	Continuation	Continuation	PCT	Provisional	National Stage	National Stage	National Stage	National Stage	National Stage	National Stage	National Stage	National Stage	National Stage	National Stage	Application Type	National Stage
Pending	Pending	Published	National Phase	Expired	Pending	Pending	Pending	Pending	Pending	Pending	Published	Pending	Published	Published	Status	
17/196,599	17/196,416	16/746,186	PCT/US2016/057415	62/308,614	P6001296/2018	518400020	QA/201809/00400	OM/P/2018/00274	746866	746866	MX/a2018/011229	PCT/139/2018	10-2018-7029452	2019-500212	Serial No.	
3/9/2021	3/9/2021	1/17/2020	10/17/2016	3/15/2016	10/17/2016	10/17/2016	10/17/2016	10/17/2016	10/17/2016	10/17/2016	10/17/2016	10/17/2016	10/17/2016	10/17/2016	Filing Date	
1	1	8/20/2020	9/21/2017	1	1	-	1	-	-	1	6/13/2019	1	1/25/2019	4/4/2019	Publication Date	
		,		,		1	1		-	1		1	1	1	Patent No.	
1		ı	ı	1	ı	1	1	ı	-	1	ı	1	ı	ı	Issue Date	
1		,	1	1	1	1	1	1	1	1	,	1	1	1	Expiration date	

B. Methods of Use – MSUD (Licensed from Baylor College of Medicine)

<i>Y</i>		:				1	
Appl. No.	Appl. Date	Watter No.		Case Status (Internal)	Reg. No.	Reg. Date	Country
10803013.1	7/26/2010	1000340505	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Austria
10803013.1	7/26/2010	1000342292	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Belgium
10803013.1	7/26/2010	1000208589	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Switzerland
10803013.1	7/26/2010	1000208588	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Germany
10803013.1	7/26/2010	1000175619	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Denmark
10803013.1	7/26/2010	1000354396	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Spain
10803013.1	7/26/2010	1000204918	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	France
10803013.1	7/26/2010	1000204917	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	United Kingdom
10803013.1	7/26/2010	1000342293	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Ireland
10803013.1	7/26/2010	1000340517	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Italy
10803013.1	7/26/2010	1000362920	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Luxembourg
10803013.1	7/26/2010	1000175630	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	Issued	2456304	8/19/2015	Monaco

PCT/US2010/043240	61/228485	16/740131	16/134558	15/653155	14/745205	13/386549	10803013.1	10803013.1	10803013.1	16174310.9	15173016.5	10803013.1	10803013.1
7/26/2010	7/24/2009	1/10/2020	9/18/2018	7/18/2017	7/26/2010	7/26/2010	7/26/2010	7/26/2010	7/26/2010	7/26/2010	7/26/2010	7/26/2010	7/26/2010
11007293	11007293	1001108069	1001047360	1000173420	1000204261	1000003157	1000354397	1000208590	1000342295	1000198683	1000354395	1000317155	1000204919
METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF	METHODS OF MODULATION OF BRANCHED CHAIN ACIDS AND USES THEREOF
Expired	Expired	Application Filed	Abandoned	Issued	Issued	Issued	Issued	Issued	Issued	Abandoned	Abandoned	EP Granted - Nationalized	Issued
				10092532	9737499	9078865	2456304	2456304	2456304			2456304	2456304
				10/9/2018	8/22/2017	7/14/2015	8/19/2015	8/19/2015	8/19/2015			8/19/2015	8/19/2015
Patent Cooperation Treaty	United States of America	Turkey	Sweden	Portugal	European Patent Office	European Patent Office	European Patent Office	Netherlands					

C. ACER-001 Methods of Use

Type Ion No. n Date No. TREAT UREA CYCLE DISORDERS Provisional Expired 63/048,892 7/7/2020 - - - - PCT Pending PCT/US2021/040 7/7/2021 - - - - Provisional Expired 63/065,272 8/13/2020 - - - -				ADM	51078	51078	
ion No.				NISTRATIO	-011001	-011WO2	
ion No.	Upcoming	Action Due		N OF SODIUM PH	PCT deadline	Reply to International	Search Report
ion No.	Deadline			ENYLBUTYR <i>i</i>	7/7/2021	5/7/2022	
ion No.	•			ITE IN A FASTED STATE TO	US - United States	WO - Patent Cooperation	
ion No.	n Type			TREAT UREA	Provisional	PCT	
ion No.			=	CYCLE DISORDE	Expired	Pending	
7/7/2020			-	RS	63/048,892	PCT/US2021/040	
n Date No. Date	(7/7/2020		
No. Date					-		
Date					1		
					-		
on date					-		
	on date				1		

DOSAGE FORM FOR IMPROVING PALATABILITY OF DRUG SUBSTANCE - China Specific

by Chinese by Chinese
Patent Office Patent Office
1078-16001 PCT deadline US - United States Provisional Pending 63/232,011 8/11/2021

II. Osanetant

A. Composition of Matter

Case Description and	Country	Country Upcoming Due Action Due	Action Due	Application	App Number	Filing Date	Priority Assignee		Notes
Number		Dates		Status			Dates		
SOLID FORMS OF	US	7/02/2022	File PCT/Utility	Provisional	63218211	7/02/2021		Acer	Covers novel
OSANETANT)			Application					Therapeutics,	Therapeutics, polymorphs and
7077								Inc.	salts of osanetant
608B-332184-P									

B. Methods of Use (Acer, Univ. Washington and Kansas)

Case Description	Country	Upcoming	Action Due	Application	App Number	Filing Date	Priority	Assignee	Patent	Notes
and Number		Due Dates		Status			Dates		Number	

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METHODS FOR TREATING PATIENTS WITH NK3 ANTAGONISTS	ENTS H NK3	Osanetant for VMS	60BB-314373-WO	Osanetant for Contraception	Osanetant for Contraception 60BB-314373-P	60BB-310111-WO	NK RECEPTOR ANTAGONISTS FOR CANCER PATIENTS	Osanetant for treating Cancer Patients 60BB-310111-P/P2
US	US	ns		WO	SN		WO	US
1/31/2023	1/31/2023	7/6/2021		2/3/2022	7/30/2021		02/03/2022	7/30/2021
File PCT/Utility Application	File PCT/Utility Application	Pay issue fee; file no fee continuation		Utility - ORG	File PCT/Utility Application		Utility - ORG	File PCT/Utility Application
Pending	Pending	Issued		Published	Completed		Published	Completed
63/305,209 01		16/114661		PCT/US2021/044018	63/059,062		PCT/US2021/044016 WO 2022/026900	63/059,086 63/134,542
01/31/2022	02/03/2022	8/28/2018		7/30/2021	7/30/2020		7/30/2021	7/30/2020 1/6/2021
Ace The Inc.	Ace The Inc.	12/3/12		7/30/2020	7/30/2020		7/30/2020	7/30/2020
Acer Therapeutics Inc.	Acer Therapeutics Inc.	University of Washington		Acer Therapeutics Inc.	Acer Therapeutics Inc.	Co-owned with Univ. Washington	Acer Therapeutics, Inc.	Acer Therapeutics Inc. Co-owned with Univ. Washington
	or to d.	11,083,726						
	Added more data/information to original filing of 1/31/22	Negotiating license. Claims currently directed to menopausal patients having short term estrogen therapy.			Acer Only		Co-owned with Univ. Washington	Co-owned with Univ. Washington
			_					

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A. Emory Univ License: Use of Osanetant PTSD

Case Description	Country	Country Upcoming	Action Due	Application	App Number/Patent	Filing	Priority	Assignee	Notes
and Number		Due Dates		Status	Number	Date/Issue	Date		
						Date			
Osanetant for PTSD	SN	None	N/A	Granted	10,314,835	6/11/2019	06/25/14	Emory	
								University	
Osanetant for	SN	None	N/A	Pending	16/676,030	11/6/2019	06/25/14	Emory	Response just
conditioned fear								University	filed; awaiting next
									action or Notice of
									Allowance
Osanetant for PTSD	Ę	8/16/2020		Granted	EP3160469	04/28/21	06/25/14	Emory	Validated in
		(Real Deadline						University	France, UK,
		is 10/16/2020)							Germany, Italy,
									Spain, Switzerland,
									ireland and the
									Netherlands

III. Celiprolol (EDSIVO®)

A. Methods of Use (Licensed from AP-HP)

Case Description and Number	Country	Upcoming Due Dates	Action Due	Application Status	App Number	Filing Date	Priority Dates	Assignee	Notes
					Dosing Regimen	n			
Dosing Regimen	AR	None		Pending	20180103795	12/21/18	12/21/17	Assistance Publique-	
60BB-287147- AR								Hopitaux de Paris (AP-HP)	
								Universite de	
								Paris	
Dosing	SN	07/15/2021	Assignment	Published	16/930,208	07/15/20	12/21/17	Assistance	Filed Track 1
Regimen			and					Publique-	
60BB-287147-			Declaration					Hopitaux de	
US2			Due					Paris (AP-HP)	
Dosing	BR	12/19/2021	Annuity Due	Published	BR112020012095-2	12/19/18	12/21/17	Assistance	
Regimen		12/19/2021	Request					Publique-	
60BB-287147-			Examination					Hopitaux de	
BR			- Final					Paris (AP-HP)	
Dosing	CA	12/19/2021	Maintenance	Pending	3083432	12/19/18	12/21/17	Assistance	
Regimen		12/19/2023	Fee					Publique-	

Pregnancy 60BB-287148- MX	Pregnancy 60BB-287148- CA	Pregnancy 60BB-287148- BR	Pregnancy 60BB-287148- US2	Pregnancy 60BB-287148- AR	X	Dosing Regimen 60BB-287147-	60BB-287147- CA
×	Ç	BR	us	AR		×	
	12/19/2021 12/19/2023	12/19/2021 12/19/2021	5/20/2021				
	Maintenance Fee Request Examination - Final	Annuity Due Request Examination - Final	Assignment and Declaration Due				Request Examination - Final
Pending	Pending	Pending	Pending	Published		Pending	
MX/a/2020/006344	3083407	BR112020012529-6	16/879,511	20180103794	Methods of Use: Pregnancy	MX/a/2020/006351	
12/19/18	12/19/18	12/19/18	05/20/20	12/21/18	gnancy	12/19/18	
12/21/17	12/21/17	12/21/17	12/21/17	12/21/17		12/21/17	
Assistance Publique- Hopitaux de Paris (AP-HP Universite de Paris	Assistance Publique- Hopitaux de Paris (AP-HP Universite de Paris	Assistance Publique- Hopitaux de Paris (AP-HP Universite de Paris	Assistance Publique- Hopitaux de Paris (AP-HP Universite de Paris	Assistance Publique- Hopitaux de Paris (AP-HP Universite de Paris	Paris (AP-HP)	Assistance Publique- Hopitaux de	Hopitaux de Paris (AP-HP)
			Awaiting Office Action, SMRH to handle deadline				

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IV. Emetine

A. Covid and Composition of Matter

	-	-		-			-		
Case Description	Country	Upcoming	Action Due	Application	App Number	Filing Date	Priority	Assignee	Notes
and Number		Due Dates		Status			Date		
60BB-314393-WO	SU	9/26/2022	Deadline for	Pending	PCT/US2021/024399	3/26/2021	3/26/2020	Acer	Emetine for
			National Phase					Therapeutics	Sars-Cov2 Uses
			Filing					Inc.	
								The United	_
								States Of	_
								America, As	_
								Represented	
								By The	
								Secretary,	
								Department	
								Of Health And	
								Human	_
								Services	
SOLID FORMS OF	SN	12/4/2021	Deadline for	Completed	63/121,743	12/4/2020	12/4/2020	Acer	Polymorph
EMETINE			filing US and					Therapeutics,	application
60BB-322499-P			PCT					Inc.	_
			applications						
60BB-322499-WO	WO			Pending	PCT/US2021/061867	12/03/2021	12/4/2020	Acer	Polymorph
								Therapeutics Inc.	application
60BB-322499-US	SN			Pending	17/542,165	12/03/2021	12/4/2020	Acer	Polymorph
								Therapeutics	application
								Inc.	

B. Other Viruses, e.g. Zika

60BB- US 318882-US	Sn	S	Case Countr Description y and Number
5/8/2021	None	None	Intr Upcoming Due Dates
Response to Office Action	N/A	N/A	Action Due
Pending	Granted	Granted	Application Status
16/718,343	10,940,188	10,555,942	App Number/Patent Number
1/31/2020	3/9/2021	2/11/2020	Filing Date/Issue Date
10/10/17	7/16/2016	10/10/2017	Priority Dates
Florida State University Research Foundation The John Hopkins University The United States of America, as Represented by the Secretary, Department of Health and Human Services	Florida State University Research Foundation The John Hopkins University The United States of America, as Represented by the Secretary, Department of Health and Human Services	Florida State University Research Foundation The John Hopkins University The United States of America, as Represented by the Secretary, Department of Health and Human Services	Assignee
	Claims to using emetine for Zika Virus	Claims to using cephaeline for Zika Virus	Notes

RECORDED: 03/11/2022