PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7579255

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IRONWOOD PHARMACEUTICALS, INC.	04/01/2019

RECEIVING PARTY DATA

Name:	CYCLERION THERAPEUTICS, INC.
Street Address:	245 FIRST STREET
Internal Address:	RIVERVIEW II, 18TH FLOOR
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17708296

CORRESPONDENCE DATA

Fax Number: (617)607-9200

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.

(617) 449-6500 Phone:

cgiordani@mccarter.com Email:

Correspondent Name: MCCARTER & ENGLISH, LLP

Address Line 1: 265 FRANKLIN STREET

Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER: 127553-03603	
NAME OF SUBMITTER:	ZHONGYU "ALEX" WANG
SIGNATURE:	/Zhongyu Wang, #71771/
DATE SIGNED:	10/07/2022

Total Attachments: 8

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> **PATENT** REEL: 061343 FRAME: 0848

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PATENT ASSIGNMENT AGREEMENT

IRONWOOD PHARMACEUTICALS, INC., a corporation duly organized under the laws of the State of Delaware and having its principal place of business at 301 Binney Street, Cambridge, Massachusetts 02142, United States of America (hereinafter referred to as "ASSIGNOR"); and

CYCLERION THERAPEUTICS, INC., a corporation duly organized under the laws of the Commonwealth of Massachusetts and having its principal place of business at 301 Binney Street, Cambridge, Massachusetts 02142, United States of America (hereinafter referred to as "ASSIGNEE").

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest in the Letters Patents and Patent Applications listed in the attached Schedule 1, including (a) all Letters Patents which may issue from said applications, (b) all rights of priority under the International Convention for the Protection of Industrial Property and any other applicable international agreements, treaties and conventions, and (c) any divisional, continuing, reissue, reexamination, substitution or other applications based in whole or in part thereon.

And ASSIGNOR agrees, for itself and its executors and administrators, with ASSIGNEE and its successors and assigns but at ASSIGNEE's expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure and/or maintain the grant of Letters Patents in the United States and in all other countries to ASSIGNEE, with specifications and claims in such form as shall be approved by the counsel of ASSIGNEE and to vest and confirm in ASSIGNEE, its successors and assigns, the legal title to all such patents.

And ASSIGNOR hereby conveys to ASSIGNEE all rights arising under or pursuant to any and all United States and foreign laws and international agreements, treaties or laws relating to the protection of industrial property for such Applications and for such Letters Patents, including but not limited to any cause(s) of action and damages accruing prior to this Assignment.

And ASSIGNOR does hereby acknowledge that this Assignment, being of its entire right, title and interest in and to said inventions or improvements, carries with it the right for ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patents and the right to procure the grant of all Letters Patents to ASSIGNEE in its own name.

And ASSIGNOR does hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the corresponding authorities in other countries to issue such Letters Patents as shall be granted upon said Patent Applications based thereon to ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNEE expressly accepts this assignment and transfer of patent rights made on its behalf and is now the owner of the involved Letters Patents and Patent Applications listed in the attached Schedule 1, with all rights, titles, and interests deriving from them.

This **Assignment** may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument, and may be executed through the use of facsimiles or .pdf documents.

ASSIGNOR HEREBY GRANTS to the law firm of McCarter & English, LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office and the corresponding authorities in other countries for recordation of this Assignment.

IN TESTIMONY WHEREOF, we have hereunto set our hands-and affixed our seals on the date(s) set forth below.

IRONWOOD PHARMACEUTICALS, INC.

		dministrative Of Corporate Develo	ficer and Senior Vice opment
By my signature above, I,ASSIGNOR, affirm that I am autho Assignment, on behalf of ASSIGNO	rized to execute certain d	, as a law locuments, includ	ful representative of ding the present
United States of America Commonwealth of Massach County of Middle	······································		
On this 15+ day of	April	, 2019	, before me,
the undersigned notary public, perso	onally appeared	Halley E.	Gilbert
(name of document signer), proved which was proved is signed on the preceding or attache he/she signed it voluntarily for its st	<u> Unowledge</u> ed document in my preser	to be the p	erson whose name rledged to me that
Senior Vice President of Corporate IRONWOOD PHARMACEUTIC	Development		(capacity) of
Culy Out	***************************************	ignature and seal	l of notary)
My commission expires	Pebruary 27.	,2026	
EMILY ANN DERT	**************************************		

ASSIGNEE herewith accepts this assignment and transfer.

Assignment, on behalf of ASSIGNEE.

CYCLERION THERAPEUTICS, INC.

Name: William I. Hujett

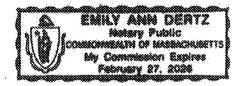
Title: Chief Financial Officer

Nationality: US

By my signature above, I, ________, as a lawful representative of

United States of America Commonwealth of Massachusetts County of Middlesex On this day of 2019 , before me, the undersigned notary public, personally appeared William I. Huyett (name of document signer), proved to me through satisfactory evidence of identification, personal Unawledge, to be the person whose name which was is signed on the preceding or attached document in my presence, and acknowledged to me that he/she signed it voluntarily for its stated purpose as Chief Financial Officer (capacity) of CYCLERION THERAPEUTICS, INC., a corporation or other entity. (official signature and seal of notary) My commission expires

ASSIGNEE, affirm that I am authorized to execute certain documents, including the present



SCHEDULE 1

M&E Reference	Ironwood Reference	Country	Application No.	Patent No.
127553-01401	IW204P1	US	62/639642	
127553-01501	IW172P1	US	62/382942	
127553-01502	IW172P2	US	62/423445	
127553-01503	IW172P3	US	62/468598	
127553-01504	IW172P4	US	62/482486	
127553-01505	IW172US1	US	15/693758	
127553-01506	IW172US1CON1	US	16/273557	
127553-01601	IW132P1	US	61/790637	
127553-01602	IW132P2	US	61/914915	
127553-01603	IW132PCT1US1	US	14/775954	9481689
127553-01604	IW132PCT1US1CON1	US	15/215628	9586937
127553-01605	IW132PCT1US1DIV1	US	15/245697	10183021
127553-01606	IW132PCT1US1CON1DIV1	US	15/406959	- 1
127553-01607	IW132PCT1US1CON2	US	15/406994	
127553-01608	IW132PCT1US1CON3	US	15/915899	
127553-01609	IW132PCT1US1CON4	US	16/178771	<u> </u>
127553-01701	IW139P1	US	61/914908	
127553-01702	IW139P2	US	62/051539	
127553-01703	IW139PCT1US1	US	15/103178	
127553-01801	IW143P1	US	61/926897	
127553-01802	IW143PCT1US1	US	15/110883	***************************************
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127553-02101	IW094P1	US	61/360236	
127553-02102	IW094P2	US	61/406845	
127553-02103	IW094P3	US	61/474563	
127553-02104	IW094US1	US	13/174676	8748442
127553-02105	IW094US1DIV1	US	14/264200	
127553-02106	IW094US1DIV1CON1	US	15/435723	10189809
127553-02107	IW094US1REX1	US	96/000110	8748442 C1
127553-02108	IW094US1DIV1CON2	US	16/209313	
127553-02201	IW100P1	US	61/411730	
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127553-02204	IW100PCTUS1CON1	US	14/698244	
127553-02205	IW100PCT1US1CON2	US	15/168937	1
127553-02301	IW115P1	US	61/580439	1
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127553-02403	IW127PCT1US1CON1	US	15/054448	
127553-02501	IW129P1	US	61/703114	
127553-02502	IW129PCT1US1	US	14/429028	9487508
127553-02503	IW129PCT1US1CON1	US	15/266021	
127553-02601	IW147P1	US	62/051557	
127553-02602	IW147P2	US	62/204710	
127553-02603	IW147PCT1US1	US	15/511900	
127553-02604	IW147PCT1US1CON1	US	15/902708	
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127553-02801	IW149P1	US	62/051576	
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127553-02902	IW150P2	US	62/204683	
127553-02903	IW150PCT1US1	US	15/511891	······
127553-02904	IW150PCT1US1CON1	US	16/119489	***************************************
127553-03001	IW151P1	US	62/051620	
127553-03002	IW151P2	US	62/204672	
127553-03003	IW151PCT1US1	US	15/511897	10047095
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127553-03101	IW162P1	US	62/260910	
127553-03102	IW162P2	US	62/359440	
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127553-03201	IW163P1	US	62/266977	-
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127553-03502	IW166PCT1US1	US	16/315210	
127553-03601	IW168P1	US	62/359453	-
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127553-03620	IW168PCT1	WO	PCT/US2017/040810	
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127553-04520	IW195PCT1	WO	PCT/US2017/065687	
127553-04620	IW198PCT1	WO	PCT/US2018/051195	
127553-04820	IW197PCT1	WO	PCT/US2018/066547	
127553-05020	IW201PCT1	WO	PCT/US2019/013060	
127553-05220	IW202PCT1	WO	PCT/US2019/021080	
127553-05002	IW201PCTCN	WO	PCT/CN2018/076982	

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RECORDED: 10/07/2022