506848196 09/01/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6895017

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROGER M. ILAGAN	03/20/2013
RUSSELL W. KELLEY	05/21/2013
SHARON C. PRESNELL	05/15/2013
SUMANA CHOUDHURY	03/24/2013
ANDREW T. BRUCE	01/24/2013
CHRISTOPHER W. GENHEIMER	03/19/2013
BRYAN R. COX	02/07/2013
KELLY I. GUTHRIE	01/24/2013
JOYDEEP BASU	01/24/2013
SHAY M. WALLACE	03/24/2013
ERIC S. WERDIN	03/23/2013
OLUWATOYIN A. KNIGHT	01/24/2013
NAMRATA D. SANGHA	01/24/2013
JOHN W. LUDLOW	05/20/2013
CRAIG R. HALBERSTADT	04/22/2013
RICHARD PAYNE	01/28/2013
NEIL F. ROBINS	01/24/2013
DARELL MCCOY	01/28/2013
DEEPAK JAIN	02/04/2013
MANUEL J. JAYO	03/22/2013
ELIAS A. RIVERA	01/23/2013
THOMAS SPENCER	04/22/2013
BENJAMIN WATTS	04/15/2013

RECEIVING PARTY DATA

Name:	TENGION, INC.	
Street Address:	3929 WESTPOINT BLVD.	
Internal Address:	#G	
City:	WINSTON SALEM	
State/Country:	NORTH CAROLINA	
Postal Code: 27103		

PATENT REEL: 057351 FRAME: 0883

506848196

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17171943

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.

Phone: 2024347300

Email: SAChandler@mintz.com

Correspondent Name: MINTZ

Address Line 1: 555 12TH STREET, NW

Address Line 2: SUITE 1100

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	050400-506D01US
NAME OF SUBMITTER:	MICHELLE L. HOLMES-SON
SIGNATURE:	/MICHELLE L. HOLMES-SON/
DATE SIGNED:	09/01/2021

Total Attachments: 15

source=506D01US_assignment2-pat-30693-673#page1.tif source=506D01US_assignment2-pat-30693-673#page2.tif source=506D01US_assignment2-pat-30693-673#page3.tif source=506D01US_assignment2-pat-30693-673#page4.tif source=506D01US_assignment2-pat-30693-673#page5.tif source=506D01US_assignment2-pat-30693-673#page6.tif source=506D01US_assignment2-pat-30693-673#page7.tif source=506D01US_assignment2-pat-30693-673#page8.tif source=506D01US_assignment2-pat-30693-673#page9.tif source=506D01US_assignment2-pat-30693-673#page10.tif source=506D01US_assignment2-pat-30693-673#page11.tif source=506D01US_assignment2-pat-30693-673#page12.tif source=506D01US_assignment2-pat-30693-673#page13.tif source=506D01US_assignment2-pat-30693-673#page14.tif source=506D01US_assignment2-pat-30693-673#page14.tif source=506D01US_assignment2-pat-30693-673#page15.tif

PATENT REEL: 057351 FRAME: 0884

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

ASSIGNMENT OF APPLICATION		Docket Number TGN-1020U	Docket Number TGN-1020US (24127.038)	
Whereas, the undersigned:	•			
	Roger	M. ILAGAN		
	Winst	on-Salem, NC		
Russell W. Kelley	Kelly I. Guthrie	John W. Ludlow	Manuel J. Jayo	
Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC	
Sharon C. Presnell	Joydeep Basu	Craig R. Halberstadt	Elias A. Rivera	
Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC	
Sumana Choudhury	Shay M. Wallace	Richard Payne	Thomas Spencer	
Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC	
Andrew T. Bruce	Eric C. Werdin	Neil F. Robbins	Benjamin Watts	
Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC	
Christopher W. Genheimer	Oluwatoyin A. Knight	Darrell McCoy		
Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC		
Bryan R. Cox	Namrata D. Sangha	Deepak Jain		
Winston-Salem, NC	Winston-Salem, NC	Winston-Salem, NC		

hereinafter termed "Inventors", have invented certain new and useful improvements in

6/24//3 K.F. BIOACTIVE BENEAL RENAL CELLS

for which an application for United States Patent was filed on 11/09/2012, Application No. 13/697,206

WHEREAS, Tengion. Inc., an organization having a place of business on 3929 Westpoint Blvd. #G, Winston-Salem, North Carolina 27103, U.S.A., (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

- 1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by

said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.
- 4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date: _	20 m/s 2013	Roger M. Ilagan
Date:		Russell W. Kelley
Date: .		Sharon C. Presnell
Date:		Sumana Choudhury
Date:		Andrew T. Bruce
Date:		Christopher W. Genheimer
Date:	······································	Bryan R. Cox

said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.
- 4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date:	Roger M. Ilagan
Date: May 21, 2013	Russell W. Kellcy
Date:	Sharon C. Presnell
Date:	Sumana Choudhury
Date:	Andrew T. Bruce
Date:	Christopher W. Genheimer
Date:	Bryan R. Cox

said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said inventors in providing such cooperation shall be paid for by said Assignee. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith. IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below: Date: _____ Roger M. Hagan Date: Russell W. Kelley Date: Muy 15, 2013 Date: Sumana Choudhury Date: Andrew T. Bruce Date: Christopher W. Genheimer Date: Bryan R. Cox

said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.
- 4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date:		
		Roger M. Hagan
Date:		
		Russell W. Kelley
Date:		
		Sharon C. Presnell
	nalaula	01
Date:	03/24/13.	Sumana Choudhury
		Sumana Choudhury
Date:		A . 3
		Andrew T. Bruce
Date:		Children W. Co. Lillian
		Christopher W. Genheimer
Date:		P P. C
		Bryan R. Cox

involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors bereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date:		Roger M. Ilagan
Date:		Russell W. Kelley
Date:		Sharon C. Presnell
Date:		Sumana Choudhury
Date:	01/24/13	Andrew T. Bruck
Date:		Christopher W. Genheimer
Date:	2-7-13	Bryan R Cox

	0/21/13	Kelly I. Gurthrie
Date:	<u> </u>	Joydeep Basu
Date:		Shay M. Wallace
Date:		Eric C. Werdin
Date:	01/24/13	Oluwatoyin A. Knight
Date:	29 Jan 13	Namrata D. Sangha
Date:		John W. Ludlow
Date:	·	Craig R. Halberstadt
Date:	2054112013	Rickard Payne
Date:	61/24/13	Neil F. Robins
Date:	01/28/2013	Darrell McCoy

Date:	02/04/2013	Deepak Jain
Date:		Manuel J. Jayo
Date:	1-23-13	Elias A. Rivera
Date:	04/22/13	Thomas Spencer
Date:		Benjamin Watts

said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said inventors in providing such cooperation shall be paid for by said Assignee.		
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.		
4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.		
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:		
Date:	Roger M. Hagan	
Date:	Russeli W. Kelley	
Date:	Sharon C. Presnell	
Date:	Sumana Choudhury	
Date:	Andrew T. Bruce	
Date: 3/19/2013	Christopher W. Genheimer	
Date:	Bryan R. Cox	

Date:	Kelly I. Guthrie
Date:	Joydeep Basu
Date: <u>B/24/13</u>	Shay M. Wallage 7. Wallace
Date:	Eric C. Werdin
Date:	Oluwatoyin A. Knight
Date:	Namrata D. Sangha
Date:	John W. Ludlow
Date:	Craig R. Halberstudt
Date:	Richard Payne
Date:	Neil F. Robins
Date:	Darrell McCoy

Date:	Kelly I. Guthrie
Date:	Joydeep Basu
Date:	Cil N. S. XXI
Date: 3/3×/13	Shay M. Wallace
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Date:	Oluwatoyin A. Knight
Date:	Namrata D. Sangha
Date:	John W. Ludlow
Date:	Craig R. Halberstadt
Date:	Richard Payne
Date:	Neil F. Robins
Date:	Neu r. Rooms
	Darrell McCoy

Dete:		
CAULO. "		Kelly I. Guthrie
Date: _		Joydeep Basu
Date: _		Shay M. Wallace
Date: _		Eric C. Werdin
		2016 50 0 93 9432
Date: _		
		Oluwatoyin A. Knight
Date: _		
		Namrata D. Sangha
Date: _	MM 20, 2013	John W Ludlow
	.	John W/Ludlow
Date:		
		Craig R. Halberstadt
Date		
Date.		Richard Payne
<i>T</i>		
Date: _		Neil F. Robins
Date: _		Darrell McCoy
		•

Date:	Kelly I. Guthrie
Date:	Joydeep Basu
Date:	
Para	Shay M. Walisce
Date:	Eric C. Werdin
Date:	Oluwatoyin A. Knight
Date:	Namrata D. Sangha
Date:	John W. Ludlow
Date: April 22,2013	Craig R. Halberstadt
Date:	Richard Payne
Date:	Neil F. Robins
Date:	Darrell McCoy

Date:	
Date: 22-Movieh - 2013	Deepak Jain Manue Libyo
Date:	Elias A. Rivera
Date:	Thomas Spencer
Date:	Benjamin Watts

Date:	Ovepsk Jain
Date:	Manuel J. Jayo
Date:	Elias A. Rívers
Date:	Thomas Spencer
Date: 4/15/13	Dujanin, MH ———————————————————————————————————