

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7413110

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
EBR SYSTEMS, INC.		06/30/2022
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	RUNWAY GROWTH FINANCE CORP.	
<b>Street Address:</b>	205 N MICHIGAN AVE., SUITE 4200	
<b>Internal Address:</b>	ATTENTION: LEGAL REPORTING	
<b>City:</b>	CHICAGO	
<b>State/Country:</b>	ILLINOIS	
<b>Postal Code:</b>	60601	
<b>PROPERTY NUMBERS Total: 64</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	14979359	
Application Number:	16557367	
Application Number:	17404502	
Application Number:	16773599	
Application Number:	17667301	
Application Number:	17522662	
Application Number:	16637130	
Application Number:	16601854	
Application Number:	15250897	
Application Number:	14668486	
Application Number:	15138582	
Application Number:	16249196	
Application Number:	14883925	
Application Number:	15138046	
Application Number:	16250943	
Application Number:	17030846	
Application Number:	15043210	
Application Number:	16879530	
Application Number:	17404252	

Property Type	Number
Application Number:	11351569
Application Number:	11764546
Application Number:	14221040
Application Number:	16107626
Application Number:	11752775
Application Number:	11764583
Application Number:	11764592
Application Number:	11764602
Application Number:	11764574
Application Number:	11764561
Application Number:	11764611
Application Number:	13008521
Application Number:	13008433
Application Number:	13008462
Application Number:	13007432
Application Number:	13007419
Application Number:	13292854
Application Number:	13922937
Application Number:	15837566
Application Number:	11460850
Application Number:	11468002
Application Number:	12829183
Application Number:	14041202
Application Number:	14136321
Application Number:	15455707
Application Number:	16051338
Application Number:	12340395
Application Number:	12721483
Application Number:	13734680
Application Number:	13648027
Application Number:	14059228
Application Number:	15878237
Application Number:	10869776
Application Number:	10869242
Application Number:	10869705
Application Number:	12890308
Application Number:	11627284
Application Number:	11315023

Property Type	Number
Application Number:	11315524
Application Number:	11535857
Application Number:	12554199
Application Number:	12554181
Application Number:	12554234
Application Number:	12554257
Application Number:	13657252

#### 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: 616.742.3945

Email: hkooy@btlaw.com

Correspondent Name: BARNES & THORNBURG LLP

Address Line 1: 655 WEST BROADWAY

Address Line 2: ATTN: HILLARY KOOY

Address Line 4: SAN DIEGO, CALIFORNIA 92101

ATTORNEY DOCKET NUMBER:	83489.26
NAME OF SUBMITTER:	HILLARY KOOY
SIGNATURE:	/Hillary Kooy/
DATE SIGNED:	07/01/2022

#### Total Attachments: 8

source=03. Runway - EBR Systems - IP Security Agreement EXECUTED (6.2022))#page1.tif  
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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, restated, supplemented or otherwise modified from time to time, this “**Agreement**”) is entered into as of June 30, 2022, among **EBR SYSTEMS, INC.**, a Delaware corporation (“**Borrower Representative**” or, “**Grantor**”) and **RUNWAY GROWTH FINANCE CORP.**, as collateral agent for Lenders (in such capacity, “**Agent**”).

### Recitals

A. Grantor, certain lenders from time to time party thereto (collectively “**Lenders**”), and Agent, as administrative agent and collateral agent for lenders, are entering into a Loan and Security Agreement as of the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the “**Loan Agreement**”). Defined terms used herein without definition shall have the meanings set forth in the Loan Agreement.

B. The Obligations are secured by the Collateral, as defined in the Loan Agreement, including without limitation, all of Grantor’s Intellectual Property.

C. Grantor’s execution and delivery of this Agreement is a condition to the effectiveness of the Loan Agreement.

### Agreement

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, Grantor and Agent hereby agree:

1. To secure the Obligations, Grantor grants Agent a security interest in all of Grantor’s right, title and interest in its Intellectual Property. Grantor hereby confirms that the attached schedules of Grantor’s copyright, patent and trademark applications and registrations, which are registered or filed with the United States Patent and Trademark Office or the United States Copyright Office, as applicable, attached hereto as Exhibits A, B and C hereto, respectively, are complete and accurate as of the date hereof.

2. Grantor hereby authorizes Agent to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property which Grantor obtains subsequent to the date of this Agreement, and (b) file a duplicate of this Agreement containing amended exhibits reflecting such new Intellectual Property with the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

3. This Agreement shall be exclusively (without regard to any rules or principles relating to conflicts of laws) governed by, enforced and construed in accordance with the laws of the state of New York and the federal laws of the United States applicable therein.

4. This Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, is an original, and all taken together, constitute one Agreement. The words “execution,” “signed,” “signature” and words of like import shall be deemed to include electronic signatures or the keeping of records in electronic form, each of which shall be of the same legal effect, validity and enforceability as a manually executed signature or the use of a paper-based recordkeeping systems, as the case may be, to the extent and as provided for in any applicable law, including, without limitation, any state law based on the Uniform Electronic Transactions Act. Delivery of an executed counterpart of a signature page to this Agreement by electronic means including by email delivery of a “.pdf” format data file shall be effective as delivery of an original executed counterpart of this Agreement.

5. This Agreement constitutes a Loan Document.

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[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]

IN WITNESS WHEREOF, the undersigned have duly executed this Intellectual Property Security Agreement as of the first date written above.

Address of Grantor:

EBR SYSTEMS, INC.  
480 Oakmead Parkway  
Sunnyvale, CA 94085  
Attention: Chief Financial Officer  
Email: [frank.heitmann@ebrsystemsinc.com](mailto:frank.heitmann@ebrsystemsinc.com)

Grantor:

EBR SYSTEMS, INC.

DocuSigned by:  
By: John G. McCutcheon  
Name: John G. McCutcheon  
Title: President and CEO

Address of Agent:

205 N Michigan Ave., Suite 4200  
Chicago, IL 60601  
Attention: Legal Reporting  
Email: [legalreporting@runwaygrowth.com](mailto:legalreporting@runwaygrowth.com)

AGENT:

RUNWAY GROWTH FINANCE CORP.

By: \_\_\_\_\_  
Name: Thomas B. Raterman  
Title: Chief Financial Officer

[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]

IN WITNESS WHEREOF, the undersigned have duly executed this Intellectual Property Security Agreement as of the first date written above.

Address of Grantor:

EBR SYSTEMS, INC.  
480 Oakmead Parkway  
Sunnyvale, CA 94085  
Attention: Chief Financial Officer  
Email: [frank.heitmann@ebrsystemsinc.com](mailto:frank.heitmann@ebrsystemsinc.com)

Grantor:

EBR SYSTEMS, INC.

By \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

Address of Agent:

205 N Michigan Ave., Suite 4200  
Chicago, IL 60601  
Attention: Legal Reporting  
Email: [legalreporting@runwaygrowth.com](mailto:legalreporting@runwaygrowth.com)

AGENT:

RUNWAY GROWTH FINANCE CORP.

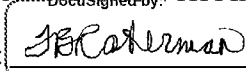
By:   
Name: Thomas B. Katerman  
Title: Chief Financial Officer

EXHIBIT A  
COPYRIGHTS

OWNER	DESCRIPTION	REGISTRATION NUMBER	REGISTRATION DATE
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## EXHIBIT B

## PATENTS

	<b>Title:</b>	<b>Application No.</b>	<b>Patent No.</b>	<b>Status</b>	<b>Application Date:</b>
1.	Local lead to improve energy efficiency in implantable wireless acoustic stimulators	14/979359	<a href="#"><u>US9731139</u></a>	Granted	2015-12-22
2.	PULSE DELIVERY DEVICE INCLUDING SLEW RATE DETECTOR, AND ASSOCIATED SYSTEMS AND METHODS	16/557367	<a href="#"><u>US20210060333</u></a>	Pending	2019-08-30
3.	SYSTEMS AND METHODS FOR DELIVERING STIMULATION ELECTRODES TO ENDOCARDIAL OR OTHER TISSUE	17/404502	<a href="#"><u>US20220047303</u></a>	Pending	2021-08-17
4.	Devices, systems, and methods for cardiac resynchronization therapy	16/773599	<a href="#"><u>US11266845</u></a>	Granted	2020-01-27
5.	DEVICES, SYSTEMS, AND METHODS FOR CARDIAC RESYNCHRONIZATION THERAPY	17/667301	<a href="#"><u>US20220161036</u></a>	Pending	2022-02-08
6.	SYSTEMS AND METHODS FOR WIRELESS ENDOCARDIAL STIMULATION OF THE LEFT VENTRICULAR SEPTAL WALL	17/522662	<a href="#"><u>US20220143399</u></a>	Pending	2021-11-09
7.	SYSTEMS, DEVICES, AND METHODS FOR ELECTROMECHANICAL SENSING AND MAPPING	16/637130	<a href="#"><u>US20200179704</u></a>	Pending	2018-08-01
8.	OPTIMIZING ENERGY TRANSMISSION IN A LEADLESS TISSUE STIMULATION SYSTEM	16/601854	<a href="#"><u>US20200230426</u></a>	Pending	2019-10-15
9.	Systems and methods for implantable leadless tissue stimulation	15/250897	<a href="#"><u>US10143850</u></a>	Granted	2016-08-29
10.	Efficiently delivering acoustic stimulation energy to tissue	14/668486	<a href="#"><u>US9616235</u></a>	Granted	2015-03-25
11.	Method and systems for heart failure prevention and treatments using ultrasound and leadless implantable devices	15/138582	<a href="#"><u>US10207115</u></a>	Granted	2016-04-26
12.	METHODS AND SYSTEMS FOR HEART FAILURE PREVENTION AND TREATMENTS USING ULTRASOUND AND LEADLESS IMPLANTABLE DEVICES	16/249196	<a href="#"><u>US20190351226</u></a>	Pending	2019-01-16
13.	Method of manufacturing implantable wireless acoustic stimulators with high energy conversion efficiencies	14/883925	<a href="#"><u>US9343654</u></a>	Granted	2015-10-15
14.	Implantable wireless acoustic stimulators with high energy conversion efficiencies	15/138046	<a href="#"><u>US10052493</u></a>	Granted	2016-04-25
15.	Implantable wireless acoustic stimulators with high energy conversion efficiencies	16/250943	<a href="#"><u>US10512785</u></a>	Granted	2019-01-17
16.	IMPLANTABLE WIRELESS ACOUSTIC STIMULATORS WITH HIGH ENERGY CONVERSION EFFICIENCIES	17/030846	<a href="#"><u>US20210146143</u></a>	Pending	2020-09-24
17.	Temporary electrode connection for wireless pacing systems	15/043210	<a href="#"><u>US9907968</u></a>	Granted	2016-02-12
18.	TEMPORARY ELECTRODE CONNECTION FOR WIRELESS PACING SYSTEMS	16/879530	<a href="#"><u>US20200276447</u></a>	Pending	2020-05-20
19.	IMPLANTABLE STIMULATION ASSEMBLIES HAVING TISSUE ENGAGEMENT MECHANISMS, AND	17/404252	<a href="#"><u>US20220047865</u></a>	Pending	2021-08-17



	ASSOCIATED SYSTEMS AND METHODS IMPLANTABLE STIMULATION ASSEMBLIES HAVING TISSUE ENGAGEMENT MECHANISMS, AND ASSOCIATED SYSTEMS AND METHODS				
20.	Methods and apparatus for determining cardiac stimulation sites using hemodynamic data	11/351569	<a href="#"><u>US7702392</u></a>	Granted	2006-02-10
21.	Acoustically-powered wireless defibrillator	11/764546	<a href="#"><u>US7751881</u></a>	Granted	2007-06-18
22.	Optimizing energy transmission in a leadless tissue stimulation system	14/221040	<a href="#"><u>US10080903</u></a>	Granted	2014-03-20
23.	Optimizing energy transmission in a leadless tissue stimulation system	16/107626	<a href="#"><u>US10456588</u></a>	Granted	2018-08-21
24.	Optimizing energy transmission in a leadless tissue stimulation system	11/752775	<a href="#"><u>US8718773</u></a>	Granted	2007-05-23
25.	Systems and methods for implantable leadless gastrointestinal tissue stimulation	11/764583	<a href="#"><u>US7899541</u></a>	Granted	2007-06-18
26.	Systems and methods for implantable leadless nerve stimulation	11/764592	<a href="#"><u>US7894907</u></a>	Granted	2007-06-18
27.	Systems and methods for implantable leadless brain stimulation	11/764602	<a href="#"><u>US7894904</u></a>	Granted	2007-06-18
28.	Systems and methods for implantable leadless spine stimulation	11/764574	<a href="#"><u>US7899542</u></a>	Granted	2007-06-18
29.	Systems and methods for implantable leadless bone stimulation	11/764561	<a href="#"><u>US8078283</u></a>	Granted	2007-06-18
30.	Systems and methods for implantable leadless cochlear stimulation	11/764611	<a href="#"><u>US7894910</u></a>	Granted	2007-06-18
31.	Systems and methods for implantable leadless gastrointestinal tissue stimulation	13/008521	<a href="#"><u>US8494637</u></a>	Granted	2011-01-18
32.	Systems and methods for implantable leadless nerve stimulation	13/008433	<a href="#"><u>US8494643</u></a>	Granted	2011-01-18
33.	Systems and methods for implantable leadless cochlear stimulation	13/008462	<a href="#"><u>US8498715</u></a>	Granted	2011-01-18
34.	Systems and methods for implantable leadless brain stimulation	13/007432	<a href="#"><u>US8494639</u></a>	Granted	2011-01-14
35.	Systems and methods for implantable leadless spine stimulation	13/007419	<a href="#"><u>US8494642</u></a>	Granted	2011-01-14
36.	Systems and methods for implantable leadless bone stimulation	13/292854	<a href="#"><u>US8494644</u></a>	Granted	2011-11-09
37.	Systems and methods for implantable leadless tissue stimulation	13/922937	<a href="#"><u>US9452286</u></a>	Granted	2013-06-20
38.	Efficiently delivering acoustic stimulation energy to tissue	15/837566	<a href="#"><u>US10576287</u></a>	Granted	2017-12-11
39.	Efficiently delivering acoustic stimulation energy to tissue	11/460850	<a href="#"><u>US8634908</u></a>	Granted	2006-07-28
40.	Methods and systems for heart failure prevention and treatments using ultrasound and leadless implantable devices	11/468002	<a href="#"><u>US7765001</u></a>	Granted	2006-08-29
41.	Methods and systems for heart failure treatments using ultrasound and leadless implantable devices	12/829183	<a href="#"><u>US9333364</u></a>	Granted	2010-07-01
42.	Systems, devices, and methods for selectively locating implantable devices	14/041202	<a href="#"><u>US9616237</u></a>	Granted	2013-09-30
43.	Efficiently delivering acoustic stimulation energy to tissue	14/136321	<a href="#"><u>US9014803</u></a>	Granted	2013-12-20

44.	Efficiently delivering acoustic stimulation energy to tissue	15/455707	<a href="#"><u>US9855429</u></a>	Granted	2017-03-10
45.	Implantable wireless acoustic stimulators with high energy conversion efficiencies	16/051338	<a href="#"><u>US10806938</u></a>	Granted	2018-07-31
46.	Optimizing size of implantable medical devices by isolating the power source	12/340395	<a href="#"><u>US7953493</u></a>	Granted	2008-12-19
47.	Operation and estimation of output voltage of wireless stimulators	12/721483	<a href="#"><u>US8364276</u></a>	Granted	2010-03-10
48.	Implantable wireless acoustic stimulators with high energy conversion efficiencies	13/734680	<a href="#"><u>US8588926</u></a>	Granted	2013-01-04
49.	Operation and estimation of output voltage of wireless stimulators	13/648027	<a href="#"><u>US9981138</u></a>	Granted	2012-10-09
50.	Implantable wireless acoustic stimulators with high energy conversion efficiencies	14/059228	<a href="#"><u>US9180285</u></a>	Granted	2013-10-21
51.	Temporary electrode connection for wireless pacing systems	15/878237	<a href="#"><u>US10688307</u></a>	Granted	2018-01-23
52.	Methods and systems for vibrational treatment of cardiac arrhythmias	10/869776	<a href="#"><u>US7006864</u></a>	Granted	2004-06-15
53.	Methods and systems for treating arrhythmias using a combination of vibrational and electrical energy	10/869242	<a href="#"><u>US7184830</u></a>	Granted	2004-06-15
54.	Vibrational therapy device used for resynchronization pacing in a treatment for heart failure	10/869705	<a href="#"><u>US7050849</u></a>	Granted	2004-06-15
55.	Temporary electrode connection for wireless pacing systems	12/890308	<a href="#"><u>US9283392</u></a>	Granted	2010-09-24
56.	Methods and systems for treating arrhythmias using a combination of vibrational and electrical energy	11/627284	<a href="#"><u>US7809438</u></a>	Granted	2007-01-25
57.	Leadless tissue stimulation systems and methods	11/315023	<a href="#"><u>US7610092</u></a>	Granted	2005-12-21
58.	Implantable transducer devices	11/315524	<a href="#"><u>US7606621</u></a>	Granted	2005-12-21
59.	Leadless tissue stimulation systems and methods	11/535857	<a href="#"><u>US7558631</u></a>	Granted	2006-09-27
60.	Implantable transducer devices	12/554199	<a href="#"><u>US7848815</u></a>	Granted	2009-09-04
61.	Implantable transducer devices	12/554181	<a href="#"><u>US7890173</u></a>	Granted	2009-09-04
62.	Leadless tissue stimulation systems and methods	12/554234	<a href="#"><u>US7996087</u></a>	Granted	2009-09-04
63.	Leadless tissue stimulation systems and methods	12/554257	<a href="#"><u>US8315701</u></a>	Granted	2009-09-04
64.	Leadless tissue stimulation systems and methods	13/657252	<a href="#"><u>US9008776</u></a>	Granted	2012-10-22

EXHIBIT C  
TRADEMARKS

	Word/Mark	U.S. Application No.	U.S. Registration No.	Filing Date
1.	<u>EBR SYSTEMS</u>	90696412	pending	