

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI84554

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Tairan YANG	03/08/2024
David Young	03/08/2024
Panni Zheng	03/11/2024
Zheng Li	03/05/2024
RECEIVING PARTY DATA	
Company Name:	Li Industries, Inc.
Street Address:	1872 Pratt Drive
Internal Address:	Suite 1500
City:	Blacksburg
State/Country:	VIRGINIA
Postal Code:	24060
PROPERTY NUMBERS Total: 4	
Property Type	Number
PCT Number:	US2417992
Application Number:	18592728
Application Number:	63488378
Application Number:	63469950
CORRESPONDENCE DATA	
Fax Number:	2028427899
<i>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.</i>	
Phone:	2027762328
Email:	zippatentdocketingmailboxus@cooley.com,lmsantos@cooley.com
Correspondent Name:	Cooley LLP
Address Line 1:	1299 Pennsylvania Avenue NW
Address Line 2:	Suite 700
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20004-2400
ATTORNEY DOCKET NUMBER:	LIDI-007/02US 334196-2030
NAME OF SUBMITTER:	Lucia Santos
SIGNATURE:	Lucia Santos

PATENT

<b>DATE SIGNED:</b>	03/11/2024
<b>Total Attachments: 5</b> source=LIDI-007_02US - Executed Assignment (Tairan YANG et al. to Li Industries)#page1.tif source=LIDI-007_02US - Executed Assignment (Tairan YANG et al. to Li Industries)#page2.tif source=LIDI-007_02US - Executed Assignment (Tairan YANG et al. to Li Industries)#page3.tif source=LIDI-007_02US - Executed Assignment (Tairan YANG et al. to Li Industries)#page4.tif source=LIDI-007_02US - Executed Assignment (Tairan YANG et al. to Li Industries)#page5.tif	

ASSIGNMENT

Tairan YANG, residing at 880 Plantation Road, Apartment 201, Blacksburg, VA 24060; David YOUNG, residing at 24 Arboretum Way, Sudbury, MA 01776; Panni ZHENG, residing at 1872 Pratt Drive, Suite 1500, Blacksburg, VA 24060; and Zheng LI, residing at 410 Red Maple Dr., Blacksburg, VA 24060 (each referred to as “Assignor”) have made an invention(s) (the “Invention(s)”) set forth in the application(s) for patent identified below:

- (1) ☒ non-provisional application  
(a) ☐ to be filed herewith; or  
(b) ☒ entitled SYSTEMS AND METHODS FOR THE RECYCLING OF LITHIUM FROM BATTERY WASTE and bearing Application No. 18/592,728, and filed on March 1, 2024;

and/or

- (2) ☒ PCT application  
(a) ☐ to be filed herewith; or  
(b) ☒ entitled SYSTEMS AND METHODS FOR THE RECYCLING OF LITHIUM FROM BATTERY WASTE and bearing Application No. PCT/US2024/017992, and filed on March 1, 2024.

wherein the above application(s) claim(s) priority to:

Country	Application No.	Application Filing Date
United States of America	63/488,378	March 3, 2023
United States of America	63/469,950	May 31, 2023

**WHEREAS**, Li Industries, Inc., a , having its principal place of business at 1872 Pratt Drive, Suite 1500, Blacksburg, VA 24060 (the “Assignee”), its successors, legal representatives, and assigns, is desirous of acquiring the Assignors' entire right, title, and interest in and to the Invention(s); the application(s) for patent and/or registered design identified above; the right to file applications for patent and/or registered design of the United States or other countries on the Invention(s); any application(s) for patent and/or registered design of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) and/or registered design(s) of the United States or other countries that may be granted therefor or thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that an Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if an Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of said prior agreement, each Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application(s) for patent and/or registered design identified above;
- (c) the right to file applications for patent and/or registered design of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;
- (d) any application(s) for patent and/or registered design of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent and/or registered design of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent and/or registered design identified above or any application(s) for patent and/or registered design claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent and/or registered design identified in the preceding paragraphs (b)-(e) and of any and all patent(s) and/or registered design(s) granted based thereon in the United States and in all other countries; and
- (g) any patent(s) and/or registered design(s) of the United States or other countries that may be granted for or on any application for patent and/or registered design identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s) and/or registered design(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

Each Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful

owner of an undivided interest in the Assignor's entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents. Each Assignor also hereby represents that, except for said prior agreement, if applicable, the Assignor has not previously sold, transferred, or encumbered any part of Assignor's right, title, and interest in the Invention(s).

Each Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), said registered design(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.


Each Assignor waives all rights to challenge the validity of said invention(s) in the United States and its territorial possessions and in all foreign countries and of all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention(s) by said application or any continuation, continuation-in-part, divisional, renewal, substitute, or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

Each Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the title, filing date, application number, and/or attorney docket number of the application(s) identified above when known.


Each Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee, as the Assignee of said invention(s) and the Letters Patent to be issued thereon, for the use and behalf of the Assignee, its successors, legal representatives, and assigns.

Assignor(s) and Assignee(s) understand that electronic signatures are acceptable and that, by signing electronically, signatories agree to the use of electronic signatures.

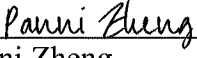
Date: March 8, 2024

Signature:   
Tairan Yang


Date: March 8, 2024

Signature:   
David Young

Date: March 11, 2024

Signature:   
Panni Zheng

Date: March 5, 2024

Signature:   
Zheng Li

For and on behalf of ASSIGNEE:

Date: March 11, 2024

By: 

Name: Dr. Zheng LI

Title: Chief Executive Officer

Company: Li Industries, Inc.

By signing, I confirm that I am entitled to sign legally binding acts on behalf of Li Industries, Inc.

My position in Li Industries, Inc. is: Chief Executive Officer