

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JILUAN PAN	09/10/2017
BINGYI YAN	09/10/2017
LISHENG GAO	09/10/2017
HUA ZHANG	09/10/2017
QINYING LU	09/10/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BEIJING BO TSING TECHNOLOGY CO., LTD.
<b>Street Address:</b>	421 ROOM, 4TH FLOOR, UNIT 1, BUILDING 7, 25TH YARD
<b>Internal Address:</b>	JINGHAI 4 ROAD, ECO & TECH DEVELOPMENT ZONE
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7498542
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	docket@marshallip.com, mfilardi@marshallip.com
<b>Correspondent Name:</b>	MARSHALL GERSTEIN & BORUN LLP
<b>Address Line 1:</b>	233 SOUTH WACKER DRIVE
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	30887/41562 US
<b>NAME OF SUBMITTER:</b>	MICHELLE FILARDI
<b>SIGNATURE:</b>	/Michelle Filardi/
<b>DATE SIGNED:</b>	10/20/2017
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

Patent No.: 7,498,542

Issued: March 3, 2009

Title: CONTROL METHOD AND SYSTEM FOR A TRACKLESS AUTONOMOUS CRAWLING  
POSITION ARC WELDING ROBOT WITH WHEELS AND PERMANENT MAGNET  
CATERPILLAR BELTS

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, Jiluan Pan, Bingyi Yan, Lisheng Gao, Hua Zhang, and Qinying Lu (collectively "Assignor") agrees to assign and hereby does assign to **Beijing Bo tsing Technology Co., Ltd.**, 421 Room, 4th Floor, Unit 1, Building 7, 25th Yard, Jinghai 4 Road, Eco & Tech Development Zone, Beijing, PEOPLE'S REPUBLIC OF CHINA ("Assignee") all rights, title, and interests in and to the inventions that are disclosed in the patent identified above (the "Patent") including, but without limitation, all rights:

- (i) in and to the Patent and all applications anywhere in the world that have been or may be filed on said inventions and/or naming Assignor as an inventor of said invention,
- (ii) in and to all patents issuing on any of the foregoing,
- (iii) in and to all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates, and/or extensions of any of the foregoing,
- (iv) to bring suit, the right to claim and retain all damages and/or seek other remedies for the past, present, and future infringement and/or misappropriation of any of the foregoing, and
- (v) of priority including, but without limitation, the right to claim priority benefit of or to the Patent and all of the foregoing.

Assignor requests the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of Assignee or its designee.

Assignor:

- (a) declares: (1) The application for the Patent was made or authorized to be made by me, (2) I believe myself, as a named inventor, to be the original inventor or an original joint inventor of a claimed invention in the Patent and I understand that any willful false statement made by me in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both:

(b) warrants except in favor of Assignee: (1) Assignor is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (2) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned; and

(c) agrees to execute, upon the request of Assignee or its designee at no expense to Assignor, all applications or documents related to the inventions including, but without limitation, any oath, declaration, or affidavit relating thereto that Assignee may deem necessary or expedient, and to fully cooperate with Assignee and/or its designee to perform all affirmative acts requested to prepare, file, prosecute, maintain, defend, enforce, and vest in Assignee the rights, title, and interests assigned herein whereby said rights, title and interests will be held and enjoyed by Assignee or its designee to the full end of the term for which the intellectual property rights herein may be available as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made.

WITNESS our hands this 10th day of September, 2017.

Jiluan Pan

Name: Jiluan Pan

Bingyi Yan

Name: Bingyi Yan

Lisheng Gao

Name: Lisheng Gao

Hua Zhang

Name: Hua Zhang

Qinying Lu

Name: Qinying Lu

Witnesses:

Qixing Sun

Zhaoyuan Xu

Qixing Sun

Zhaoyuan Xu

Qixing Sun

Zhaoyuan Xu

Qixing Sun

Zhaoyuan Xu

Qixing Sun

Zhaoyuan Xu

On behalf of Assignee,  
Beijing Bo tsing  
Technology Co., Ltd.

Xiaobing Feng

Name

General Manager

Title

hereby confirms Assignee's acceptance of all rights, privileges, title and interests conveyed by this assignment.

Xiaobing Feng

Signature

10th September, 2017

Date

30887/41562/US