

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RONALD W. STEFFEN	12/12/2017
DAHU QI	12/14/2017
GREGRY C. MILLER	12/12/2017
RECEIVING PARTY DATA	
Name:	TSI, INCORPORATED
Street Address:	500 CARDIGAN ROAD
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55126
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14424131
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	SAWYER L. IMRIE
SIGNATURE:	/Sawyer L. Imrie/
DATE SIGNED:	12/14/2017
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, we, Ronald W. Steffen, of 46 DeSoto Drive, Springfield, IL 62711; Dahu Qi, of 2411 Grey Eagle Bay, Woodbury, MN 55129; and Gregory C. Miller, of 313 Brookside Lane, Chatham, IL 62629 have made inventions described in U.S. Patent Application No. 14/424,131 filed on February 26, 2015 entitled SEED SENSOR WITH LIGHTPIPE PHOTODETECT ASSEMBLY;

WHEREAS, TSI Incorporated, having an address of 500 Cardigan Road, St. Paul, MN 55126, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said TSI Incorporated, its successors and assigns, the entire right, title and interest in and to said invention, said application and the Letters Patent, both foreign and domestic, that may or shall issue, including all rights under the Paris Convention, European Convention, Patent Cooperation Treaty, and other international treaties and conventions, and we do hereby authorize and request the Commissioner for Patents to issue said Letters Patent to the above-mentioned assignee in accordance herewith.

We further authorize said assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name, if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the Paris Convention, European Convention, Patent Cooperation Treaty, and other international treaties and conventions.

We do hereby covenant and agree with the said assignee, its successors and assigns, that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we or my executors or administrators will, at any time upon request, without further or additional consideration, but at the expense of said assignee, its successors and assigns, execute such additional writings and do such additional acts as said assignee, its successors and assigns, may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, non-provisional, divisional, continuation, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights, occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

In Witness Whereof, we have hereunto set our hands and affixed our seals on the date(s) written below.

Ronald W. Steffen 12 Dec 2017
Ronald W. Steffen Date

Dahu Qi 12-14-17
Dahu Qi Date

Gregory C. Miller 12 Dec 17
Gregory C. Miller Date

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