

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIE SONG	06/28/2023
CHEN CHEN	06/28/2023
RECEIVING PARTY DATA	
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Postal Code:	06405
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18365758
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ATTORNEY DOCKET NUMBER:	SPLX-34091.0017-US3
NAME OF SUBMITTER:	HANG GAO
SIGNATURE:	/Hang Gao/
DATE SIGNED:	08/07/2023
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, We, **Jie Song** and **Chen Chen** have invented certain new and useful improvements for which an application entitled

"SEMICONDUCTOR DEVICES INCORPORATING QUANTUM DOTS"

is about to be made for Letters Patent of the United States, the application having been executed on even date herewith, and which may be identified in the United States Patent and Trademark Office by Application No. 17/714,814, filed on April 6, 2022 and further identified as Atty. Docket No. SPLX-34091.0017-US2.

WHEREAS, **Saphlux, Inc.**, a Corporation of the State of Delaware, and having its principal offices at 4 Pin Oak Drive, Branford, Connecticut 06405 (hereafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to the application, any inventions or discoveries described therein and in, to and under any and all Letters Patents to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the Assignee, its successors and assigns:

1. the entire right, title and interest in and to the application, any inventions or discoveries described therein and the Letters Patent(s), both foreign and domestic, that may or shall issue, including all rights under the International Convention, and
2. all proceeds of the application, any inventions or discoveries described therein and the Letters Patent(s) (including but not limited to, damages for pre-patent grant infringement, all license royalties and proceeds of infringement suits); and in and to any and all causes of action (excepting claims upon the United States of America) for past, present, and future infringement of any of the Letters Patent(s), or relating to any inventions or discoveries described therein, including the right to collect royalties and seek injunctive relief, for all such infringements and the right to sue on all such causes of action for their own use and benefit and the use and benefit of their successors, assigns and legal representatives,

We do hereby authorize and request the Commissioner of Patents to issue the Letters Patent(s) to the Assignee in accordance herewith.

We hereby authorize the Assignee, its successors and assigns or anyone it may properly designate, to insert in this instrument the filing date and Application No. of the application when ascertained.

We further authorize the 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 the United States application and/or otherwise take advantage of the provisions of the International Convention.

We do hereby covenant and agree with the 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 our executors or administrators will, at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the 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, continuation, divisional, reissued, reexamined, substitute or extended Letters Patent(s) of the United States, or of any and all foreign countries on the 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 written below.

Signature:	<i>Jie Song</i>	Signature:	<i>Chen Chen</i>
Date:	<i>06/28/2023</i>	Date:	<i>06/28/2023</i>
Full Name:	Jie Song	Full Name:	Chen Chen
Residence:	Branford, CT UNITED STATES	Residence:	Branford, CT UNITED STATES
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