

## PATENT ASSIGNMENT COVER SHEET

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| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT  |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>                                     |
| SILERGY SEMICONDUCTOR TECHNOLOGY (HANGZHOU) LTD.  | 02/25/2020  |
| <b>RECEIVING PARTY DATA</b>   |   |
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| <b>Postal Code:</b>   | 999077  |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>   |
| Patent Number:  | 10348100  |
| <b>CORRESPONDENCE DATA</b>  |   |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | SILG2015P68US   |
| <b>NAME OF SUBMITTER:</b>   | MICHAEL C. STEPHENS, JR.                                  |
| <b>SIGNATURE:</b>   | /Michael C. Stephens, Jr./                                |
| <b>DATE SIGNED:</b>   | 03/06/2020  |
| <b>Total Attachments: 5</b>   |   |
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ASSIGNMENT

SILERGY SEMICONDUCTOR TECHNOLOGY (HANGZHOU) LTD., having a place of business at 20F, Silergy Mansion, No. 6, Lianhai Street, Binjiang District, Hangzhou, Zhejiang Province, China 310051, ("Assignor") is owner of each of the U.S. Patents and each of the U.S. Patent Applications as identified in the Appendix attached hereto (the "Patent Assets").


NANJING SILERGY SEMICONDUCTOR (HONG KONG) TECHNOLOGY LTD., having a place of business at Unit 701, 7/F., Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong 999077, ("Assignee") desires to acquire rights in and to the Patent Assets.

Therefore, for valuable consideration, the receipt of which is acknowledged, Assignor assigns to Assignee 100% of his right, title and interest in the Patent Assets, as well as any patents or patent applications that claim the benefit of any of the patents or patent applications in the Patent Assets, including such rights in any divisionals, continuations in whole or in part, or substitute applications, thereof to Assignee for the entire term of any patent applications, issued patents, and any reissues or extensions that may be granted, and for the entire terms of any patents, reissues or extensions that may issue or have already issued from any of the patents or patent applications in the Patent Assets. The right, title and interest conveyed in this Assignment is to be held and enjoyed by Assignee and Assignee's successors as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made.

Assignor authorizes the United States Patent and Trademark Office to issue any patents resulting from any such patent applications to Assignee according to the percentage interest indicated in this assignment. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made.

Assignor further agrees to: (a) cooperate with Assignee in the protection of the patent rights and prosecution and protection of foreign counterparts; (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer; and (c) perform such other acts as Assignee lawfully may request to obtain or maintain the patents and any and all applications and registrations for the inventions as may be appropriate in any and all countries.

Date: Feb. 25, 2020



Wei Chen  
Chairman,  
Silergy Semiconductor Technology (Hangzhou) LTD.

| Internal number  | application number | Title   | filing date | patent number |
|------------------|--------------------|---|-------------|---------------|
| SILG2011P14US    | 13588298           | A MAGNETIC COUPLING AND CONTACTLESS POWER TRANSMISSION APPARATUS  | 8/17/2012   | 9,054,546     |
| SILG2014P58US    | 14737719           | RESONANT CONTACTLESS POWER SUPPLY EQUIPMENT, ELECTRICAL TRANSMITTER AND CONTACTLESS POWER SUPPLY METHOD | 6/12/2015   | 9,979,234     |
| SILG2014P58C1US  | 15966204           | RESONANT CONTACTLESS POWER SUPPLY EQUIPMENT, ELECTRICAL TRANSMITTER AND CONTACTLESS POWER SUPPLY METHOD | 4/30/2018   |               |
| SILG2014P63US    | 14752392           | RESONANCE-TYPE CONTACTLESS POWER SUPPLY AND POWER RECEIVER  | 6/26/2015   | 10,027,174    |
| SILG2014P64US    | 14737817           | POWER SUPPLY DEVICE, INTEGRATED CIRCUIT, ENERGY TRANSMITTER AND IMPEDANCE MATCHING METHOD               | 6/12/2015   | 10,103,578    |
| SILG2014P64C1US  | 16100678           | POWER SUPPLY DEVICE, INTEGRATED CIRCUIT, ENERGY TRANSMITTER AND IMPEDANCE MATCHING METHOD               | 8/10/2018   |               |
| SILG2014P120US   | 14940503           | TUNING CIRCUIT, TUNING METHOD AND RESONANCE-TYPE CONTACTLESS POWER SUPPLY                               | 11/13/2015  | 10,084,322    |
| SILG2014P120C1US | 16100931           | TUNING CIRCUIT, TUNING METHOD AND RESONANCE-TYPE CONTACTLESS POWER SUPPLY                               | 8/10/2018   |               |
| SILG2015P21US    | 15080809           | POWER TRANSMITTER, RESONANCE-TYPE CONTACTLESS POWER SUPPLY AND CONTROL METHOD THEREFOR                  | 3/25/2016   | 10,333,349    |
| SILG2015P21C1US  | 16403906           | POWER TRANSMITTER, RESONANCE-TYPE CONTACTLESS POWER SUPPLY AND CONTROL METHOD THEREFOR                  | 5/6/2019    |               |
| SILG2015P22US    | 15080879           | POWER TRANSMITTER, RESONANCE-TYPE CONTACTLESS POWER SUPPLY AND CONTROL METHOD THEREFOR                  | 3/25/2016   | 10,084,347    |
| SILG2015P22C1US  | 16103065           | POWER TRANSMITTER, RESONANCE-TYPE CONTACTLESS POWER SUPPLY AND CONTROL METHOD THEREFOR                  | 8/14/2018   | 10,396,600    |
| SILG2015P23US    | 15080663           | POWER RECEIVER, RESONANCE-TYPE CONTACTLESS POWER SUPPLY AND CONTROL METHOD THEREFOR                     | 3/25/2016   | 9,899,880     |
| SILG2015P56US    | 15211073           | DRIVING CIRCUIT AND WIRELESS POWER TRANSMITTER INCLUDING THE SAME                                       | 9/29/2016   | 10,333,351    |
| SILG2015P57US    | 15211023           | DRIVING CIRCUIT AND WIRELESS POWER TRANSMITTER INCLUDING THE SAME                                       | 7/15/2016   | 10,396,597    |
| SILG2015P57C1US  | 16505793           | DRIVING CIRCUIT AND WIRELESS POWER TRANSMITTER INCLUDING THE SAME                                       | 7/9/2019    |               |
| SILG2016P17US    | 15477007           | SYNCHRONOUS RECTIFIER CIRCUIT AND CONTROL METHOD THEREOF  | 4/1/2017    | 10,110,143    |

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|--------------------------------|----------|---|------------|------------|
| SILG2016P49US                  | 15673584 | POWER TRANSMITTING ANTENNA AND POWER TRANSMITTING DEVICE<br>APPLYING THE SAME                             | 8/10/2017  |            |
| SILG2016P50US                  | 15673614 | POWER RECEIVING ANTENNA AND WEARABLE ELECTRONIC DEVICE WITH<br>THE SAME                                   | 8/10/2017  |            |
| SILG2016P52US                  | 15674174 | POWER RECEIVING ANTENNA AND WEARABLE ELECTRONIC DEVICE WITH<br>THE SAME                                   | 8/10/2017  |            |
| SILG2019W05US                  | 15013532 | Wireless charging system, wireless power transmitter thereof, and<br>wireless transmitting method thereof | 2/2/2016   | 9,843,218  |
| SILG2016P01US                  | 15411051 | DATA FORWARDING METHOD AND NODE DEVICE FOR MESH NETWORK   | 1/20/2017  | 10,462,044 |
| SILG2016P01C1US                | 16576235 | DATA FORWARDING METHOD AND NODE DEVICE FOR MESH NETWORK   | 9/19/2019  |            |
| SILG2016P39US                  | 15644445 | NODE EQUIPMENT, DATA PACKET FORWARDING METHOD AND MESH<br>NETWORK SYSTEM THEREOF                          | 7/7/2017   | 10,470,100 |
| SILG2016P40US                  | 15648341 | NETWORK CONTROLLER, NODE DEVICE AND MESH NETWORK SYSTEM<br>THEREOF  | 7/12/2017  | 10,356,824 |
| SILG2016P42US                  | 15657495 | MULTIMODE RECEIVING DEVICE, MULTIMODE TRANSMITTING DEVICE<br>AND MULTIMODE TRANSCIEIVING METHOD           | 7/24/2017  | 10,461,796 |
| SILG2016P46US                  | 15668891 | METHOD AND DEVICE FOR GENERATING RECEIVED SIGNAL STRENGTH<br>INDICATION                                   | 8/4/2017   |            |
| SILG2017P21US                  | 15978307 | APPARATUS AND METHOD FOR DETECTING OBJECT FEATURES  | 5/14/2018  |            |
| SILG2015P02US                  | 14997699 | DC IMPEDANCE DETECTION CIRCUIT AND METHOD FOR SPEAKER   | 1/23/2016  | 9,716,954  |
| SILG2015P65US                  | 15240341 | CLASS-D AUDIO AMPLIFIER   | 8/18/2016  | 9,955,257  |
| SILG2015P97US                  | 15381666 | METHODS FOR TRANSMITTING AUDIO AND VIDEO SIGNALS AND<br>TRANSMISSION SYSTEM THEREOF                       | 12/16/2016 | 10,129,498 |
| SILG2015P98US                  | 15375310 | METHODS OF TRANSMITTING AND RECEIVING AUDIO-VIDEO DATA AND<br>TRANSMISSION SYSTEM THEREOF                 | 12/12/2016 | 9,967,517  |
| SILG2016P64US                  | 15800406 | LOUDSPEAKER DIAPHRAGM STATE ESTIMATION METHOD AND<br>LOUDSPEAKER DRIVING CIRCUIT USING THE SAME           | 11/1/2017  | 10,051,394 |
| SILG2016P64C1US                | 16002068 | LOUDSPEAKER DIAPHRAGM STATE ESTIMATION METHOD AND<br>LOUDSPEAKER DRIVING CIRCUIT USING THE SAME           | 6/7/2018   | 10,356,541 |
| SILG2016P65US                  | 15800458 | LOUDSPEAKER DRIVING APPARATUS AND LOUDSPEAKER DRIVING<br>METHOD   | 11/1/2017  | 10,181,831 |
| SILG2016F01US<br>(SILG2015T01) | 14617047 | TIRE STATUS MONITORING--TRANSMISSION SYSTEM AND TRANSMISSION<br>DEVICE THEREOF                            | 2/9/2015   | 9,420,408  |
| SILG2017P15US                  | 15945870 | METHOD FOR DETERMINING TIRE INSTALLATION LOCATION, TIRE<br>PRESSURE MONITORING DEVICE AND SYSTEM          | 4/5/2018   | 10,457,103 |

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| SILG2017P41US                        | 16113541 | CODE WRITING DEVICE, TIRE PRESSURE MONITORING UNIT AND CONTROL METHOD                        | 8/27/2018  |            |
| SILG2018P15US                        | 16273326 | STATE CONTROL METHOD, TIRE PRESSURE MONITORING DEVICE AND SYSTEM                             | 2/12/2019  |            |
| SILG2018P95US                        | 16589284 | SENSING METHOD FOR WHEEL ROTATION, WHEEL LOCALIZATION METHOD, AND WHEEL LOCALIZATION SYSTEM  | 10/1/2019  |            |
| SILG2016P14US                        | 15477024 | PHOTOELECTRIC SENSOR, PHOTOELECTRIC MEASUREMENT METHOD AND HEART RATE MEASUREMENT EQUIPMENT  | 4/1/2017   | 10,349,846 |
| SILG2016P19US                        | 15477032 | PHOTO DETECTOR AND ASSOCIATED INTEGRATED CIRCUIT   | 4/1/2017   | 10,121,815 |
| SILG2016P20US                        | 15477036 | AMBIENT LIGHT FILTER, PHOTO SENSOR AND ASSOCIATED PHOTO DETECTOR                             | 4/1/2017   |            |
| SILG2016P70US                        | 15834332 | OPTICAL SENSOR PACKAGE ASSEMBLY, MANUFACTURING METHOD THEREOF AND ELECTRONIC DEVICES         | 12/7/2017  |            |
| SILG2017P55US                        | 16190311 | OPTICAL DETECTION ASSEMBLY   | 11/14/2018 |            |
| SILG2018P02US                        | 16183290 | LIGHT GUIDE PLATE, OPTICAL STRUCTURE AND ASSOCIATED ELECTRONIC DEVICE                        | 11/7/2018  |            |
| SILG2018P72US                        | 16530087 | SENSING SYSTEM, ELECTRONIC DEVICE AND SENSING METHOD FOR SENSING AMBIENT LIGHT               | 8/2/2019   |            |
| SILG2018P73US                        | 16534032 | LIGHT-SENSING APPARATUS AND ELECTRONIC DEVICE  | 8/7/2019   |            |
| SILG2014T01US<br>(3748/0382PUS1)     | 13742116 | INTEGRATED EMI FILTER CIRCUIT WITH ESD PROTECTION AND INCORPORATING CAPACITORS               | 1/15/2013  | 8,879,223  |
| SILG2014T01C1US<br>(3748/0382PUS1C1) | 14486098 | INTEGRATED EMI FILTER CIRCUIT WITH ESD PROTECTION AND INCORPORATING CAPACITORS               | 9/15/2014  | 9,246,328  |
| SILG2014T02US<br>(3748/0383PUS1)     | 13742126 | INTEGRATED CIRCUIT COMMON-MODE FILTERS WITH ESD PROTECTION AND MANUFACTURING METHOD          | 1/15/2013  | 9,741,655  |
| SILG2014T03US<br>(3748/0384PUS1)     | 13752978 | IC EMI FILTER WITH ESD PROTECTION INCORPORATING LC RESONANCE TANKS FOR REJECTION ENHANCEMENT | 1/29/2013  | 8,879,230  |
| SILG2014T03C1US<br>(3748/0384PUS1C1) | 14486167 | IC EMI FILTER WITH ESD PROTECTION INCORPORATING LC RESONANCE TANKS FOR REJECTION ENHANCEMENT | 9/15/2014  | 9,331,661  |
| SILG2014T04US<br>(3748/0415PUS1)     | 14158683 | Low Capacitance Transient Voltage Suppressor   | 1/17/2014  | 9,819,176  |
| SILG2015P27US                        | 15088297 | BI-DIRECTIONAL PUNCH-THROUGH SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF           | 4/1/2016   | 9,679,998  |

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|-----------------|----------|--|------------|------------|
| SILG2015P27C1US | 15587518 | BI-DIRECTIONAL PUNCH-THROUGH SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF     | 5/5/2017   | 9,837,516  |
| SILG2015P72US   | 15268773 | TRANSIENT VOLTAGE SUPPRESSOR AND MANUFACTURE METHOD                                    | 9/19/2016  | 9,911,730  |
| SILG2016P32US   | 15606976 | METHOD FOR MANUFACTURING ESD PROTECTION DEVICE   | 5/26/2017  | 9,929,137  |
| SILG2016P44US   | 15670497 | SEMICONDUCTOR STRUCTURE OF ESD PROTECTION DEVICE AND METHOD FOR MANUFACTURING THE SAME | 8/7/2017   | 10,037,987 |
| SILG2016P47US   | 15671816 | ESD PROTECTION DEVICE AND METHOD FOR MANUFACTURING THE SAME                            | 8/8/2017   | 10,128,227 |
| SILG2016P59US   | 15728160 | METHOD FOR MANUFACTURING ELECTRODE OF SEMICONDUCTOR DEVICE                             | 10/9/2017  | 10,510,845 |
| SILG2016P60US   | 15730419 | ESD PROTECTION DEVICE AND METHOD FOR MANUFACTURING THE SAME                            | 10/11/2017 | 10,290,624 |
| SILG2016P60C1US | 16372984 | ESD PROTECTION DEVICE AND METHOD FOR MANUFACTURING THE SAME                            | 4/2/2019   | 10,573,636 |
| SILG2012P57US   | 14082984 | BATTERY POWER MEASURING METHOD, MEASURING DEVICE AND BATTERY-POWERED EQUIPMENT         | 11/18/2013 | 9,645,200  |
| SILG2015P68US   | 15230615 | BATTERY BALANCE CIRCUIT AND BATTERY APPARATUS THEREOF                                  | 8/8/2016   | 10,348,100 |
| SILG2015P74US   | 15262781 | APPARATUS FOR BALANCING BATTERY POWER  | 9/12/2016  | 10,027,135 |
| SILG2015P77US   | 15283551 | METHOD OF BALANCING BATTERY POWER  | 10/3/2016  | 10,164,440 |
| SILG2016P36US   | 15631118 | METHOD AND DEVICE FOR DETECTING STATES OF BATTERY AND BATTERY PACK                     | 6/23/2017  | 10,355,321 |
| SILG2016P37US   | 15618329 | METHOD AND APPARATUS FOR DETECTING STATE OF BATTERY                                    | 6/9/2017   |            |

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