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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7368244

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MOSAID TECHNOLOGIES INCORPORATED | 01/05/2022 |
| RECEIVING PARTY DATA | |
| Name: | TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD. |
| Street Address: | NO.8, LI-HSIN RD. 6, HSINCHU SCIENCE PARK, |
| City: | HSINCHU |
| State/Country: | TAIWAN |
| PROPERTY NUMBERS Total: 3 | |
| Property Type | Number |
| Patent Number: | 7876767 |
| Patent Number: | 7715441 |
| Patent Number: | 7830858 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <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> | |
| Email: | USA@JCIPGroup.com |
| Correspondent Name: | JCIPRNET |
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| Address Line 4: | TAIPEI, TAIWAN |
| ATTORNEY DOCKET NUMBER: | 119308-119313 |
| NAME OF SUBMITTER: | BELINDA LEE |
| SIGNATURE: | /Belinda Lee/ |
| DATE SIGNED: | 06/07/2022 |
| Total Attachments: 3 | |
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| source=Assignment-Mosaid-TSMC_PoE#page2.tif | |
| source=Assignment-Mosaid-TSMC_PoE#page3.tif | |

**ASSIGNMENT AGREEMENT
(PoE)**

For good and valuable consideration, the receipt of which is hereby acknowledged, **MOSAID Technologies Inc.**, having a place of business at 515 Legget Drive, Suite 100, Ottawa, Ontario K2K 3G4, Canada ("**Assignor**"), does hereby sell, assign, transfer, and convey unto **Taiwan Semiconductor Manufacturing Company Ltd**, having a place of business at No. 8, Li-Hsin Road VI, Hsinchu Science Park, Hsinchu, Taiwan 300-78, R.O.C. ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following:

| Patent No. | Country | Filing Date | Title and First Named Inventor |
|------------|---------|-------------|---|
| 8,351,582 | US | 8/4/2008 | NETWORK FOR TELEPHONY AND DATA COMMUNICATION Yehuda Binder |
| 7,933,297 | US | 11/29/2004 | NETWORK COMBINING WIRED AND NON-WIRED SEGMENTS Yehuda Binder |
| 8,867,506 | US | 4/2/2010 | NETWORK COMBINING WIRED AND NON-WIRED SEGMENTS Yehuda Binder |
| 7,106,721 | US | 6/16/2000 | TELEPHONE COMMUNICATION SYSTEM OVER A SINGLE TELEPHONE LINE Yehuda Binder |
| 6,961,303 | US | 9/21/2000 | TELEPHONE COMMUNICATION SYSTEM AND METHOD OVER LOCAL AREA NETWORK WIRING Yehuda Binder |
| 7,480,233 | US | 5/10/2005 | TELEPHONE COMMUNICATION SYSTEM AND METHOD OVER LOCAL AREA NETWORK WIRING Yehuda Binder |
| 7,769,030 | US | 12/2/2004 | TELEPHONE OUTLET WITH PACKET TELEPHONY ADAPTER, AND A NETWORK USING SAME Yehuda Binder |
| 8,761,186 | US | 1/7/2010 | TELEPHONE OUTLET WITH PACKET TELEPHONY ADAPTER, AND A NETWORK USING SAME Yehuda Binder |
| 7,436,842 | US | 10/11/2001 | OUTLET WITH ANALOG SIGNAL ADAPTER, A METHOD FOR USE THEREOF AND A NETWORK USING SAID OUTLET Yehuda Binder |
| 7,953,071 | US | 1/17/2008 | OUTLET WITH ANALOG SIGNAL ADAPTER, A METHOD FOR USE THEREOF AND A NETWORK USING SAID OUTLET Yehuda Binder |
| 7,860,084 | US | 1/23/2008 | OUTLET WITH ANALOG SIGNAL ADAPTER, A METHOD FOR USE THEREOF AND A NETWORK USING SAID OUTLET Yehuda Binder |
| 7,889,720 | US | 7/29/2008 | OUTLET WITH ANALOG SIGNAL ADAPTER, A METHOD FOR USE THEREOF AND A NETWORK USING SAID OUTLET Yehuda Binder |
| 8,787,562 | US | 12/18/2006 | METHOD AND SYSTEM FOR PROVIDING DC POWER ON LOCAL TELEPHONE LINES Yehuda Binder |

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| 7,746,905 | US | 2/24/2004 | PRIVATE TELEPHONE NETWORK CONNECTED TO MORE THAN ONE PUBLIC NETWORK Yehuda Binder |
| 7,738,453 | US | 2/22/2007 | TELEPHONE SYSTEM HAVING MULTIPLE SOURCES AND ACCESSORIES THEREFOR Yehuda Binder |
| 7,867,035 | US | 5/3/2004 | MODULAR OUTLET Yehuda Binder |
| 7,690,949 | US | 10/27/2016 | MODULAR OUTLET Yehuda Binder |
| 7,873,062 | US | 2/21/2007 | MODULAR OUTLET Yehuda Binder |
| 7,911,992 | US | 1/29/2008 | ADDRESSABLE OUTLET, AND A NETWORK USING SAME Yehuda Binder |
| 160417 | IL | 2/16/2004 | OUTLET ADD-ON MODULE Ami Hazani |
| 7,756,268 | US | 3/5/2008 | OUTLET ADD-ON MODULE Ami Hazani |
| 7,881,462 | US | 3/10/2008 | OUTLET ADD-ON MODULE Ami Hazani |
| 7,919,970 | US | 2/15/2008 | DEVICE, METHOD AND SYSTEM FOR ESTIMATING THE TERMINATION TO A WIRED TRANSMISSION-LINE BASED ON DETERMINATION OF CHARACTERISTIC IMPEDANCE Ami Hazani |
| 7,876,767 | US | 05/04/2005 | NETWORK COMBINING WIRED AND NON-WIRED SEGMENTS Yehuda Binder |
| 7,715,441 | US | 05/13/2005 | NETWORK COMBINING WIRED AND NON-WIRED SEGMENTS Yehuda Binder |
| 7,830,858 | US | 11/02/2005 | LOCAL AREA NETWORK OF SERIAL INTELLIGENT CELLS Yehuda Binder |

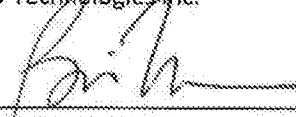
As well as the right to claim priority based on the applications, the same to be held and enjoyed by Assignee to the full end of the term for which said Letters Patents are granted, as fully and entirely as the same could have been held and enjoyed by Assignor if this assignment and sale had not been made, together with all rights of actions for past infringement thereof including the right to recover damages for said infringement subject to pre-existing rights of others.

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IN TESTIMONY WHEREOF, Assignor has caused this assignment to be signed by its duly authorized officer this 5th day of January 2022.

ASSIGNOR:

MOSAID Technologies Inc.

By: 

Name: Boris Tekster

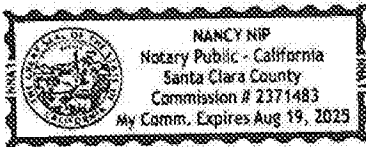
Title: President & CEO

(Signature MUST be attested)

County of Santa Clara

City of Palo Alto

On this 5th day of January 2022, before me appeared to me personally known who, being duly sworn, did depose and say that s/he is the of Assignor as named in the Assignment above and that such Assignment was signed on behalf of Assignor, and such person acknowledged the Assignment to be the free and authorized act and deed of Assignor.



Notary Public



My commission expires:

August 9th, 2025