

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7323871

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	
Postal Code:	30078	
PROPERTY NUMBERS Total: 19		
Property Type	Number	
Patent Number:	7007071	
Patent Number:	8718056	
Patent Number:	7830877	
Patent Number:	8855121	
Patent Number:	11006276	
Patent Number:	8806305	
Patent Number:	8923180	
Patent Number:	10080188	
Patent Number:	10368307	
Patent Number:	10849063	
Patent Number:	10004060	
Patent Number:	10631277	
Patent Number:	11082956	
Patent Number:	10091044	
Patent Number:	10498578	
Patent Number:	10944612	
Patent Number:	9986585	
Patent Number:	10582534	
Patent Number:	11102809	

CORRESPONDENCE DATA**Fax Number:**

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.

Email: USA@JCIPGroup.com**Correspondent Name:** JCIPRNET**Address Line 1:** 8F-1, NO. 100, ROOSEVELT RD. SEC. 2,**Address Line 4:** TAIPEI, TAIWAN 100404

ATTORNEY DOCKET NUMBER:	TW0027-MOSAID-NETWORKING
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NAME OF SUBMITTER:	BELINDA LEE
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SIGNATURE:	/Belinda Lee/
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DATE SIGNED:	05/11/2022
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Total Attachments: 3

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**ASSIGNMENT AGREEMENT
(Networking)**

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
7,007,071	US	7/24/2000	METHOD AND APPARATUS FOR REDUCING POOL STARVATION IN A SHARED MEMORY SWITCH David A. Brown
8,718,056	US	4/2/2012	TRUNKING IN A MATRIX Richard M. Wyatt
7,830,877	US	8/15/2007	CONGESTION LEVEL MANAGEMENT IN A NETWORK DEVICE David A. Brown
8,855,121	US	3/12/2013	CONGESTION MANAGEMENT IN A NETWORK David A. Brown
8,620,270	US	6/15/2010	SYSTEM AND METHOD PROVIDING INTEROPERABILITY BETWEEN CELLULAR AND OTHER WIRELESS SYSTEMS Nima Ahmadvand
11,006,276	US	12/5/2013	SYSTEM AND METHOD PROVIDING INTEROPERABILITY BETWEEN CELLULAR AND OTHER WIRELESS SYSTEMS Nima Ahmadvand
5726312	JP	9/27/2011	ERROR DETECTION AND CORRECTION CODES FOR CHANNELS AND MEMORIES WITH INCOMPLETE ERROR CHARACTERISTICS Steven Przybylski
8,806,305	US	4/18/2013	ERROR DETECTION AND CORRECTION CODES FOR CHANNELS AND MEMORIES WITH INCOMPLETE ERROR CHARACTERISTICS Steven Przybylski
8,923,180	US	1/23/2013	POWER SAVING IN WIRELESS NETWORK ENTITIES Nima Ahmadvand
9,237,518	US	11/24/2014	POWER SAVING IN WIRELESS NETWORK ENTITIES Nima Ahmadvand
10,080,188	US	2/20/2015	SYSTEM AND METHOD FOR CONTROLLING A WIRELESS NETWORK Xuejun Lu
10,368,307	US	8/21/2018	SYSTEM AND METHOD FOR CONTROLLING A WIRELESS NETWORK Xuejun Lu

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10,849,063	US	6/3/2019	SYSTEM AND METHOD FOR CONTROLLING A WIRELESS NETWORK Xuejun Lu
10,004,060	US	3/24/2015	SCHEDULING SYSTEMS AND METHODS FOR WIRELESS NETWORKS Khiem Le
10,631,277	US	6/1/2018	SCHEDULING SYSTEMS AND METHODS FOR WIRELESS NETWORKS Khiem Le
11,082,956	US	3/18/2020	SCHEDULING SYSTEMS AND METHODS FOR WIRELESS NETWORKS Khiem Le
10,091,044	US	7/16/2015	SYSTEM AND METHOD FOR FREQUENCY SYNCHRONIZATION OF DOPPLER-SHIFTED SUBCARRIERS Hanwu Hu
10,498,578	US	8/30/2018	SYSTEM AND METHOD FOR FREQUENCY SYNCHRONIZATION OF DOPPLER-SHIFTED SUBCARRIERS Hanwu Hu
10,944,612	US	10/30/2019	SYSTEM AND METHOD FOR FREQUENCY SYNCHRONIZATION OF DOPPLER-SHIFTED SUBCARRIERS Hanwu Hu
9,986,585	US	7/30/2015	RELAY SYSTEMS AND METHODS FOR WIRELESS NETWORKS Xuejun Lu
10,582,534	US	4/9/2018	RELAY SYSTEMS AND METHODS FOR WIRELESS NETWORKS Xuejun Lu
11,102,809	US	1/24/2020	RELAY SYSTEMS AND METHODS FOR WIRELESS NETWORKS Xuejun Lu

Serial No.	Country	Filing Date	Title and First Named Inventor
10821513.8	EP	10/5/2010	SYSTEM AND METHOD PROVIDING INTEROPERABILITY BETWEEN CELLULAR AND OTHER WIRELESS SYSTEMS Nima Ahmadvand
2019800842602	CN	12/18/2019	SYSTEM AND METHOD FOR A NETWORK ACCESS SERVICE Xuejun Lu
19897889.2	EP	12/18/2019	SYSTEM AND METHOD FOR A NETWORK ACCESS SERVICE Xuejun Lu
2021-535043	JP	12/18/2019	SYSTEM AND METHOD FOR A NETWORK ACCESS SERVICE Xuejun Lu
10-2021-7021756	KR	12/18/2019	SYSTEM AND METHOD FOR A NETWORK ACCESS SERVICE Xuejun Lu
17/311,908	US	12/18/2019	SYSTEM AND METHOD FOR A NETWORK ACCESS SERVICE Xuejun Lu

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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.

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: [Signature]

Name: Boris Tekler

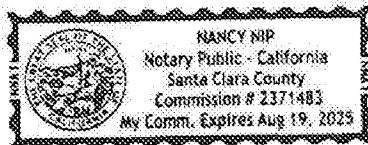
Title: President & CEO

(Signature MUST be attested)

County of Santa Clara

City of Palo Alto, CA

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 [Signature]

My commission expires: August 9th, 2025