506414450 12/21/2020

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| BENGT LITTMANN | 12/15/2020 |

RECEIVING PARTY DATA

| Name: | MACOM TECHNOLOGY SOLUTIONS HOLDINGS, INC. | |
|-----------------|---|--|
| Street Address: | 100 CHELMSFORD STREET | |
| City: | LOWELL | |
| State/Country: | MASSACHUSETTS | |
| Postal Code: | 01851 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17128087 |

CORRESPONDENCE DATA

Fax Number: (702)382-4805

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.

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| ATTORNEY DOCKET NUMBER: | MACOM.0168P | |
|-------------------------|------------------|--|
| NAME OF SUBMITTER: | CHAD W. MILLER | |
| SIGNATURE: | /Chad W. Miller/ | |
| DATE SIGNED: | 12/21/2020 | |

Total Attachments: 1

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PATENT 506414450 REEL: 054707 FRAME: 0979

Application No.: Not Yet Filed PATENT

Filing Date: Herewith

Docket No.: MACOM.0168P
PID-20-0030/US

ASSIGNMENT

WHEREAS, I, Bengt Littmann, having a mailing address at 381 Pacific Ave., Toronto, ON, M6P 2R2, Canada have invented certain new and useful improvements in a HIGH SPEED ON DIE SHARED BUS FOR MULTI-CHANNEL COMMUNICATION for which I have filed an application for Letters Patent in the United States, on even date herewith:

AND WHEREAS, MACOM Technology Solutions Holdings, Inc., (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 100 Chelmsford Street, Lowell, MA 01851, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all parent or related applications to which priority is claimed whether in the United States or countries foreign to the United States, related PCT applications, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15th day of December 2020.

Bengt Littmann Bengt Littmann

WITNESS STATEMENT – My signature below affirms that I witnessed Bengt Littmann, who is known to me, sign this Assignment.

Mahnaz Siahpustan Witness - Signature

Mahnaz Siahpustan Witness - Printed Name

> PATENT REEL: 054707 FRAME: 0980

RECORDED: 12/21/2020