## 504230082 02/15/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4276759

SUBMISSION TYPE:		NEW ASSIGNMENT		
IATURE OF CONVEYAN	CE:	ASSIGNMENT		
CONVEYING PARTY DA	ТА			
		Name	Execution Date	
JACK XU			02/14/2017	
YONGHONG GUO			02/14/2017	
NICOLAS GUERIN			02/14/2017	
LIHUA WANG	02/15/2017			
YAOGENG DING			02/14/2017	
	Γ <b>Α</b>			
Name:	LUMENTUM OPERATIONS LLC			
Street Address:	400 NORTH MCCARTHY BLVD			
City:	MILPITAS			
State/Country:	CALIFORNIA			
Postal Code:	95035			
Property Type		Number		
		15433747		
		15433747		
Application Number:				
Application Number: CORRESPONDENCE DA Fax Number:		(571)432-0808		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be	sent to	(571)432-0808 o <b>the e-mail address first; if that is unsuc</b>		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p	sent to rovideo	(571)432-0808		
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Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	sent to rovideo	(571)432-0808 <b>5 the e-mail address first; if that is unsuc</b> <b>1; if that is unsuccessful, it will be sent v</b> 571-432-0800 kschrade@harrityllp.com HARRITY AND HARRITY LLP 11350 RANDOM HILLS ROAD SUITE 600		
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Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	sent to rovideo	(571)432-0808 <b>b the e-mail address first; if that is unsuc</b> <b>d; if that is unsuccessful, it will be sent vi</b> 571-432-0800 kschrade@harrityllp.com HARRITY AND HARRITY LLP 11350 RANDOM HILLS ROAD SUITE 600 FAIRFAX, VIRGINIA 22030 0100-0117		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER:	sent to rovideo	(571)432-0808 <b>o the e-mail address first; if that is unsuc</b> <b>d; if that is unsuccessful, it will be sent v.</b> 571-432-0800 kschrade@harrityllp.com HARRITY AND HARRITY LLP 11350 RANDOM HILLS ROAD SUITE 600 FAIRFAX, VIRGINIA 22030 0100-0117 PETER B. GLASER		

Total Attachments: 3

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## ASSIGNMENT (Joint) Worldwide Rights

THIS ASSIGNMENT, by Jack XU, Yonghong GUO, Nicolas GUERIN, Lihua WANG, and Yaogeng DING, having offices at 400 North McCarthy Boulevard Milpitas CA, 95035 US, (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in <u>COEFFICIENT OF</u> <u>THERMAL EXPANSION (CTE) MATCHED TRANSISTOR OUTLINE (TO) HEADER</u> set forth in an application for Letters Patent of the United States,

(1)	<ul> <li>which is a provisional application</li> <li>(a) filed herewith; or</li> <li>(b) bearing Application No.</li> </ul>	, and filed on; or
$\langle \alpha \rangle$		

- (2)  $\bowtie$  which is a non-provisional application
  - (a) bearing Application No. <u>15/433,747</u>, and filed on Feb. 15, 2017; or
  - (b) filed herewith; and

We hereby authorize Applicants' representative to fill in the preceding information relating to the filing date and/or serial number, as appropriate.

WHEREAS, <u>Lumentum Operations LLC</u>, a corporation duly organized under and pursuant to the laws of <u>Delaware</u> and having its principal place of business at <u>400 North McCarthy Blvd</u>, <u>Milpitas</u>, <u>CA 95035 US</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including any previously or subsequently filed provisional applications, for Letters Patent of the United States or other countries claiming priority to said application or from which said application claims priority, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, be it known that for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

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PATENT REEL: 041266 FRAME: 0106 AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

## PATENT REEL: 041266 FRAME: 0107

Jack XU

2/14/2017 Date: \_\_\_\_

Yonghong GUO

Date: 2/14/17

Nicolas GNERIN <u>V21141</u> Date: \_\_\_\_

\_\_\_\_\_ & \_\_\_\_

Lihua WANG

Date: 2/15/2017

Yaogeng DING

Date:  $0\frac{2}{1}$ 

Witness Signature

ou Witness Name

Witness Signature

MICHAEL REAL

Witness Name

Witness Signature

Jorfant Siy

Vichen Shon

Witness Signature

SHEN YICHEN

Witness Name

Some Mrs

Witness Signature

GAJLIAN WANG

Witness Name

**RECORDED: 02/15/2017** 

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