PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Drew D. Perkins	01/25/2008
David F. Welch	01/29/2008
Ting-Kuang Chiang	01/18/2008
Edward E. Sprague	02/01/2008
Parthiban Kandappan	01/22/2008
Stephen G. Grubb	01/31/2008
Prasad Paranjape	01/28/2008

RECEIVING PARTY DATA

Name:	Infinera Corporation
Street Address:	1322 Bordeaux Drive
City:	Sunnyvale
State/Country:	CALIFORNIA
Postal Code:	94089

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11871934

CORRESPONDENCE DATA

Fax Number: (301)604-8286

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 408-572-5266

Email: rcarothers@infinera.com
Correspondent Name: Ross M. Carothers
Address Line 1: 1322 Bordeaux Drive

Address Line 4: Sunnyvale, CALIFORNIA 94089

ATTORNEY DOCKET NUMBER: 20019-1296 (P136)

PATENT REEL: 020461 FRAME: 0106

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NAME OF SUBMITTER:	Ross M. Carothers
Total Attachments: 9	
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PATENT REEL: 020461 FRAME: 0107

Assignme	ent of Patent Application	Docket No:	20019-1296 (P136)
Applicant:	Drew Perkins et al.		
Serial No.:	11/871,934	Filed:	10-12-2007
For:	Communication Network with Skew Compensation		
Examiner:	not assigned	Art Unit:	2819

ASSIGNMENT

Whereas the individual(s), named below, (hereinafter "INVENTOR" whether singular or plural) have made certain inventions, discoveries or improvements ("SUBJECT MATTER") set forth in the above-identified application for Letters Patent of the United States of America (hereinafter "APPLICATION"), and

Whereas Infinera Corporation, a Delaware corporation having a place of business at 1322 Bordeaux Drive; Sunnyvale, CA 94089, which, together with its successors and assigns, a corporation of the State of Delaware (hereinafter called "INFINERA"), is desirous of acquiring the title, rights, benefits and privileges hereinafter recited:

Now, therefore, for good and valuable consideration, the receipt of which is hereby acknowledged, the INVENTOR has sold, assigned, transferred, and set over, and hereby sells, assigns, transfers and sets over, to INFINERA for itself and its successors, transferees, and assignees, the following, without reservation:

1. The full and exclusive worldwide right, title, and interest in and to all SUBJECT

MATTER disclosed in the APPLICATION,
 ☐ which is a provisional application ☐ bearing Application No, and filed on; ☐ to be filed herewith; or
 ✓ which is a non-provisional application ✓ bearing Application No. 11/871,934, and filed on 10-12-2007; ☐ to be filed herewith; ✓ having an oath or declaration executed on the same date as this Assignment; ☐ having an oath or declaration executed on a different date than this
Assignment.

- 2. The entire worldwide right, title, and interest in and to the APPLICATION and all applications claiming priority to the APPLICATION or having related SUBJECT MATTER to the APPLICATION, including all such utility, divisional, continuation, substitute, renewal, reissue or other related application and all rights of priority in the APPLICATION, together with all rights to recover damages for infringement of provisional rights.
- **3.** INVENTOR hereby authorizes and requests the Commissioner of the U.S. Patent and Trademark Office, and Patent Office Officials in all foreign countries, to issue to INFINERA any and all patents which may be granted from the APPLICATION.

page 1 of 9

Assignme	ent of Patent Application	Docket No:	20019-1296 (P136)
Applicant:	Drew Perkins et al.		
Serial No.:	11/871,934	Filed:	10-12-2007
For:	Communication Network with Skew Compensation		
Examiner:	not assigned	Art Unit:	2819

- 4. INVENTOR will, without further consideration, communicate to INFINERA any facts known to the INVENTOR regarding the SUBJECT MATTER, testify in any legal proceeding, sign all lawful papers, execute all oaths, assignments, powers of attorney, applications and any other paper desired by INFINERA to obtain, perfect, or secure to INFINERA any and all of the rights, titles and interests herein conveyed, and to maintain, enforce, and defend these rights, titles and interests in the United States and all foreign countries. INVENTOR further agrees to provide any successor, assign, or legal representative of INFINERA with the benefits and assistance provided to INFINERA herein.
- 5. INVENTOR represents that the INVENTOR, at the time of the execution of this Assignment, is the sole and lawful owner of the entire rights, titles and interests in and to the SUBJECT MATTER as set forth in the APPLICATION, and that the SUBJECT MATTER is unencumbered, and that the INVENTOR has good and full right and lawful authority to sell and convey the SUBJECT MATTER in the manner herein set forth.
- **6.** INVENTOR covenants with INFINERA that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license or other agreement affecting the rights, titles, and interests herein conveyed.
- 7. INVENTOR agrees to, and hereby acknowledges, that INFINERA may apply for and receive patents in its name related to the APPLICATION or SUBJECT MATTER in any country of the world.
- **8.** INVENTOR grants the attorney of record for the APPLICATION the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this document.
- **9.** This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

In testimony of which we have executed this Assignment on the date indicated next to our names. INVENTOR signature blocks are located on the page or pages following this page.

Assignme	ent of Patent Application	Docket No:	20019-1296 (P136)
Applicant:	Drew Perkins et al.		
Serial No.:	11/871,934	Filed:	10-12-2007
For:	Communication Network with Skew Compensation		
Examiner:	not assigned	Art Unit:	2819

INVENTOR Name: Drew D. Perkins				
INVENTOR Address: 12329 Vista Arroyo Court, Saratoga, CA 95070				
Date of Signature:	Drew D Aerlin 1/25/0,	8		
Executed in:	Saratoga	, California		
	[County and S	State]		
	Drung Perhn [INVENTOR Sig	nature]		
Witnessed by:	en Sanders - Perkins Print Name			
Signature:	Sanders-Perhims			
On 1 25 2008 before	ore me, Amy L. Parham [Notary Public]	, personally appeared		

Drew D. Perkins, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

AMY L. PARHAM
COMM. #1760612
NOTARY PUBLIC - CALIFORNIAN
SANTA CLARA COUNTY
My Comm. Expires Aug. 9, 2011

Signature of Notary Public

REEL: 020461 FRAME: 0110

Assignme	ent of Patent Application	Docket No:	20019-1296 (P136)
Applicant:	Drew Perkins et al.		
Serial No.:	11/871,934	Filed:	10-12-2007
For:	Communication Network with Skew Compensation		
Examiner:	not assigned	Art Unit:	2819

INVENTOR Name:	David F. Welch		
INVENTOR Address:	101 Ralston Road, Menlo Park, CA 94027		
	,	Adleron	
Date of Signature:	1/20/18		
Executed in:	1000		California
		[County and State]	
	Cr	lud	
	′	[INVENTOR Signature]
Witnessed by:	Kathleen	Froele	
	Print Name	•	
Signature:	KATHLEEN	FROEDE	_
-			
Onbe	efore me,		_, personally appeared
[Date]		[Notary Public]	
David F. Welch, who person(s) whose name to me that he/she/they that by his/her/their sig behalf of which the per	e(s) is/are subscribed executed the same in gnature(s) on the inst	I to the within instrume in his/her/their authori: rument the person(s),	ent and acknowledged zed capacity(ies), and
I certify under PENALT foregoing paragraph is		der the laws of the Sta	ate of California that the
WITNESS my hand an		·	
		Signature of	Notary Public
(Notary Se	al)	_	

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Assignment of Patent Application		Docket No:	20019-1296 (P136)
Applicant:	Drew Perkins et al.	·	
Serial No.:	11/871,934	Filed:	10-12-2007
For:	Communication Network with Skew Compensation		
Examiner:	not assigned	Art Unit:	2819

INVENTOR Name:	Ting-Kuang Chiang		
INVENTOR Address:	s: _20885 Wardell Road, Saratoga, CA 95070		
Date of Signature:	1/18/2008		
Executed in:	Santa Clara County	, California	
	[County and State	- '	
		(L)	
	[INVENTOR Signatu	ure]	
Witnessed by:			
,	Print Name		
Signature:			
On TANUARY 18, 2008 bef		, personally appeared	
[Date]	[Notary Public]		

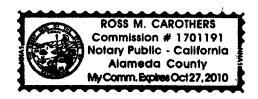
Ting-Kuang Chiang, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

(Notary Seal)



REEL: 020461 FRAME: 0112

Assignme	nt of Patent Application	Docke	et No: 20019-1296 (P136)
Applicant:	Drew Perkins et al.	eringe , generalis in inclusive mention and a management of the second section of the section of th	
Serial No.:	11/871,934	Filed:	10-12-2007
For:	Communication Network with Sk	ew Compensation	anniger M. P. C. M. (1985). Per commence and a product of a constant and a selection of a constant and a consta
Examiner:	not assigned	Art Ur	nit: 2819
INVENTO INVENTO	***************************************	ague , Woodside, CA 94062	2
Date of Signature	gnature:	708	
Executed	n:	wala.	, California
		[County and Stat	
	Karusa	[INVENTOR Signa	ture)
Signature:	Huthleen =	arne Foede	
On	before me,	[Notary Public]	, personally appeared
person(s) w to me that h that by his/h	Sprague, who proved to me those name(s) is/are subscriple/she/they executed the samer/their signature(s) on the inich the person(s) acted, exe	bed to the within instru ne in his/her/their auth instrument the person(iment and acknowledged orized capacity(ies), and
	er PENALTY OF PERJURY aragraph is true and correct.		State of California that the
- •	my hand and official seal.		
		Signature	of Notary Public
	(Notary Seal)	-	

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PATENT REEL: 020461 FRAME: 0113

Assignme	nt of Patent Application	Docket No:	20019-1296 (P136)
Applicant:	Drew Perkins et al.	1,	
Serial No.:	11/871,934	Filed:	10-12-2007
For:	Communication Network with Skew Compensation		
Examiner:	not assigned	Art Unit:	2819

INVENTOR Name:	ENTOR Name: Parthiban Kandappan			
INVENTOR Address:	5367 Beaumont Canyon Drive, San Jos	se, CA 95138		
Date of Signature:				
Executed in:		, California		
	[County and State]			
	W. J. Sight S.			
	[INVENTOR Signatur	e]		
Witnessed by:				
,	Print Name			
Signature:				
On <u>/ 22 2</u> bel	fore me, <u>K. FOZEDE</u> [Notary Public]	, personally appeared		

Parthiban Kandappan, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

(Notary Seal)

K. FROEDE
Commission # 1631208
Notary Public - California
Santa Clara County
My Comm. Expires Jan 6, 2010

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Assignment of Pater	nt Application	Docket No:	20019-1296 (P136)
processors with the control of the c	tion Network with Skew Compensatio		10-12-2007
Examiner: not assigned	<u></u>	Art Unit:	2819
INVENTOR Name:	Stephen G. Grubb		
INVENTOR Address:	13103 Pendleton Court, Reis	terstown, M[21136
Date of Signature: Executed in:		***************************************	
	[County	y and State]	
		1. 1. A.	w.
	[INVENT	OR Signature]	
Witnessed by:	Print Name		
Signature:			
On 1/31/08 be	efore me, <u>Susan N. As</u> [Notary Public	shton	, personally appeared
Stephen G. Grubb, per satisfactory evidence to instrument and acknow authorized capacity, ar	ersonally known to me or proved to be the person whose name is vledging to me that [he/she] exe and that by [his/her] signature on hich the person acted, executed	d to me on the subscribed ecuted the sa the instrume	te basis of to the within tme in [his/her] ent the person, or the
	S	Signature of N	aton Bublic
(Notary Se	al)	orginature of N	otary i dollo
	SUSAN N ASHTON		

NOTARY PUBLIC STATE OF MARYLAND My Commission Expires January 26, 2011

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Assignme	ent of Patent Application	Docket No:	20019-1296 (P136)
Applicant:	Drew Perkins et al.		
Serial No.:	11/871,934	Filed:	10-12-2007
For:	Communication Network with Skew Compensation		
Examiner:	not assigned	Art Unit:	2819

INVENTOR Name:	Prasad Paranjape			
INVENTOR Address:	5430 Ontario Common, Fremont, CA 94555			
Date of Signature:	JAN 28,08			
Executed in:	SANTA CLARA	, California		
		and State]		
	DE	Pararabo		
	TINVENTO	R Signature]		
Witnessed by:				
,	Print Name			
Signature:		· · · · · · · · · · · · · · · · · · ·		
On JANDARY 28 2008 bef		ગામાં , personally appeared		
[Date]	[Notary Public]			

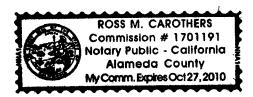
Prasad Paranjape, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

(Notary Seal)



RECORDED: 02/04/2008

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