Way 28



Attorney Docket No. 16491-7-1

FORM PTO-1595 (Rev. 6-93)	100901016	U.S. Department of Commerc Patent and Trademark Offic
To the Honorable Asst. Commissioner for P		original documents or copy thereof
Name of conveying party(ies):	2. Name	and address of receiving party(ies)
Brian D. Holden	Name: Ir	stegrated Telecom Technology, Inc.
Additional name(s) of conveying parties atta	ached? ⊠ Yes Internal A	ddress:
_	Street Ad	dress: 18310 Montgomery Village Avenue, Suite 30
3. Nature of conveyance:	City: Gai	thersburg State: MD ZIP: 20866
		I names and addresses attached? ☐ Yes ☒ No
☐ Security Agreement ☐ Change	e of Name	
Other:		
Execution Date: 5/3/98; 5/4/98; 5/8/98; 5/1/2 6,7 / 1,3/0 3	4/98; 5/15/98 4 , 5, 9	
A. Patent Application No(s):	08/988,940	B. Patent No(s):
Addition	nal numbers attached? ☐ Yes 区	No
5. Name and address of party to whom cor concerning document should be mailed:	rrespondence 6. Total r	number of applications and patents involved one
5. Name and address of party to whom cor	7. Total f NND CREW LLP or 834 Chargethe pended deposit as	ee (37 CFR 3.41):\$40.00 Sed
5. Name and address of party to whom cor concerning document should be mailed: Name: Stephen J. LeBlanc TOWNSEND AND TOWNSEND A Two Embarcadero Center, 8 th Floo San Francisco, California 94111-3	7. Total f NND CREW LLP or 834 Chargethe pended deposit as 8. Depositions.	number of applications and patents involved one ee (37 CFR 3.41):\$40.00 sed
5. Name and address of party to whom corconcerning document should be mailed: Name: Stephen J. LeBlanc TOWNSEND AND TOWNSEND A Two Embarcadero Center, 8 th Floo San Francisco, California 94111-3	7. Total f NND CREW LLP or 834 Chargethe pended deposit as	number of applications and patents involved one ee (37 CFR 3.41):\$40.00 sed
5. Name and address of party to whom cor concerning document should be mailed: Name: Stephen J. LeBlanc TOWNSEND AND TOWNSEND A Two Embarcadero Center, 8 th Floo San Francisco, California 94111-36 (415) 576-0200	Total number of pages including of att of Part 5? Total r Total number of pages including of att of Part 5?	ee (37 CFR 3.41):\$40.00 sed
5. Name and address of party to whom corconcerning document should be mailed: Name: Stephen J. LeBlanc	Total respondence 6. Total r 7. Total f 7. Total f 834 Charge the pende deposit ac 8. Depos DO NOT USE THIS SPA belief, the foregoing is true and corr Signature Total number of pages including of part of Part 5? Do not detach this portion	ee (37 CFR 3.41):\$40.00 sed

PATENT: 0059

Form PTO-1595 Recordation Form Cover Sheet Patents Only Page 2

 Additional name(s) of conveying party(ies): (Continued from Page 1)

Imran Chaudhri Kevin Reno Nadeem Haq Chee Hu Raghavan Menon Steven T. Sprouse Dinesh Venkatachalam Brian d. Alleyne Darren Braun

 Additional name(s) and address(es) of receiving party(ies): (Continued from Page 1)

 Additional application number(s) or patent number(s): (Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

158476 v1

PATENT REEL: 9578 FRAME: 0060

Attorney Docket No.: 16491-7-1US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Brian Holden, of 936 Azure Street, D1, Sunnyvale, CA 94087; Imran Chaudhri, of 11 Argosy Circle, Gaithersburg, MD 20878; Kevin Reno, of 281-4 Chemin de la Gippiere, Mougins, \06250, France; Nadeem Haq, of 444 Saratoga Avenue, #3J, Santa Clara, CA 95050; Chee Hu, of 3331 Morning View Terrace, Fremont, CA 94539; Raghavan Menon, of 3770 Flora Vista Avenue, #1307, Santa Clara, CA 95051; Steve Sprouse, of 1672 Mariani Drive, Sunnyvale, CA 94087; Dinish Venkatachalam, of 42901 Luzon Drive, Fremont, CA 94539; Brian Alleyne, of 2775 San Carlos Drive, Walnut Creek, CA 94586; Darren Braun, of 43768 145 Mohave Commons, Fremont, CA 94539; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:	METHOD AND A	<u>PPARATUS FOR</u>	<u>HIGH SPEED,</u>	<u>SCALABL</u>	<u>E</u>	
COMMUNICATIO	N SYSTEM			_		
Date(s) of execution	of Declaration: 5	-8-98; 5-	15-98,5-	4-98	5-14-98	5-3-98
Filing Date:			Applicat	ion No.: 08	3/988,940	_; and
HEREAS, Integrated	Telecom Technolog	gy, Inc., located a	it 18310 Montg	omery Vill	age Avenue, S	uite 300,

WF Montgomery Village, MD, 20866, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns. IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated:

Dated: Witnessed by: Signature Brian Holden: 5/8/88 Imran Chaudhri: Kevin Reno: Nadeem Haq: 8 Chee Hu: May Raghavan Menon 5/4/98 Steve Sprouse: Dinish Venkatachalam: Brian Alleyne:

153031

Darren Braun:

PATENT REEL: 9578 FRAME: 0061

Attorney Docket No.: 16491-7-1US

Application No.: 08/988,940

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Brian Holden, of 936 Azure Street, D1, Sunnyvale, CA 94087; Imran Chaudhri, of 11 Argosy Circle, Gaithersburg, MD 20878; Kevin Reno, of 281-4 Chemin de la Gippiere, Mougins, \06250, France; Nadeem Haq, of 444 Saratoga Avenue, #3J, Santa Clara, CA 95050; Chee Hu, of 3331 Morning View Terrace, Fremont, CA 94539; Raghavan Menon, of 3770 Flora Vista Avenue, #1307, Santa Clara, CA 95051; Steve Sprouse, of 1672 Mariani Drive, Sunnyvale, CA 94087; Dinish Venkatachalam, of 42901 Luzon Drive, Fremont, CA 94539; Brian Alleyne, of 2775 San Carlos Drive, Walnut Creek, CA 94586; Darren Braun, of 145 Mohave Commons, Fremont, CA 94539; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: METHOD AND APPARATUS FOR HIGH SPEED, SCALABLE

COMMUNICATION SYSTEM
Date(s) of execution of Declaration:
Filing Date: December 11, 1997

153031

WHER	EAS, Integrated Telecom Technology, Inc., locat	ed at 18310 Mont	gomery Village Avenue, Suite 300,
Montg	omery Village, MD, 20866, hereinafter referred to	as "ASSIGNEE," i	s desirous of acquiring an interest in
the inv	ention and application and in any U.S. Letters Patent		
	For good and valuable consideration, re	ceipt of which is !	hereby acknowledged by Assignors,
Assign	ors have assigned, and by these presents do assign		
inventi	on and application and to all foreign counterparts (in	cluding patent, utili	ty model and industrial designs), and
	to any Letters Patent and Registrations which may he		
all cou	intries throughout the world, and to claim the pr	riority from the ap	plication as provided by the Paris
	ntion. The right, title and interest is to be held an		
	as fully and exclusively as it would have been held		
	for the full term of any Letters Patent and Registrat		
renewa	il, continuation in whole or in part, substitution, conve		
	Assignors further agree that they will, with		
	ate with Assignee in the prosecution of U.S. Patent ap		
	nprovements, (b) execute, verify, acknowledge as		
	tions and instruments of transfer, and (c) perform such		
	ntain Letters Patent and Registrations for the inventio		s in any and all countries, and to vest
title the	ereto in Assignee, or Assignee's successors and assign		
	IN TESTIMONY WHEREOF, Assignors	have signed their na	ames on the dates indicated:
	Signature	Dated:	Witnessed by:
	Brian Holden:		
	Imran Chaudhri:	<i>j</i> /	
	Kevin Reno: T. Kuru Hus	5/14/98	Jeannene Ress
	Nadeem Haq:	i i	1
	Chee Hu:		
	Raghavan Menon:		
	Steve Sprouse:		
	Dinish Venkatachalam:		
	Brian Alleyne:		
	Darren Braun:		

PATENT REEL: 9578 FRAME: 0062

Attorney Docket No.: 16491-7-1US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Brian Holden, of 936 Azure Street, D1, Sunnyvale, CA 94087; Imran Chaudhri, of 11 Argosy Circle, Gaithersburg, MD 20878; Kevin Reno, of 281-4 Chemin de la Gippiere, Mougins, \06250, France; Nadeem Haq, of 444 Saratoga Avenue, #3J, Santa Clara, CA 95050; Chee Hu, of 3331 Morning View Terrace, Fremont, CA 94539; Raghavan Menon, of 3770 Flora Vista Avenue, #1307, Santa Clara, CA 95051; Steve Sprouse, of 1672 Mariani Drive, Sunnyvale, CA 94087; Dinish Venkatachalam, of 42901 Luzon Drive, Fremont, CA 94539; Brian Alleyne, of 2775 San Carlos Drive, Walnut Creek, CA 94586; Darren Braun, of 145 Mohave Commons, Fremont, CA 94539; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: METHOD AND APPARATUS	FOR HIGH SPEEL	<u>), SCALABLE</u>
COMMUNICATION SYSTEM		
Date(s) of execution of Declaration:		
Filing Date: December 11, 1997	Applic	ation No.: 08/988,940; and
WHEREAS, Integrated Telecom Technology, Inc., local	ated at 18310 Mon	tgomery Village Avenue, Suite 300
Montgomery Village, MD, 20866, hereinafter referred to		
the invention and application and in any U.S. Letters Paten		
For good and valuable consideration, a		
Assignors have assigned, and by these presents do assign		
invention and application and to all foreign counterparts (i	ncluding patent, util	ity model and industrial designs), and
in and to any Letters Patent and Registrations which may	hereafter be granted	on the same in the United States and
all countries throughout the world, and to claim the I	priority from the a	pplication as provided by the Paris
Convention. The right, title and interest is to be held a	nd enjoyed by Ass	ignee and Assignee's successors and
assigns as fully and exclusively as it would have been held	l and enjoyed by As	signors had this Assignment not beer
made, for the full term of any Letters Patent and Registra		
renewal, continuation in whole or in part, substitution, con-		
Assignors further agree that they will, w	ithout charge to As	signee, but at Assignee's expense, (a)
cooperate with Assignee in the prosecution of U.S. Patent	applications and for	eign counterparts on the invention and
any improvements, (b) execute, verify, acknowledge		
applications and instruments of transfer, and (c) perform s	uch other acts as As	signee lawfully may request to obtain
or maintain Letters Patent and Registrations for the inventi	on and improvemen	ts in any and all countries, and to ves
title thereto in Assignee, or Assignee's successors and assignee		
IN TESTIMONY WHEREOF, Assignor	s have signed their r	ames on the dates indicated:
Signature	Dated:	Witnessed by:
Brian Holden:		
Imran Chaudhri: alma Cal	5-3-98	Whath Danhor
Kevin Reno:		
Nadeem Haq:		
Chee Hu:		
Raghavan Menon:		
Steve Sprouse:		
Dinish Venkatachalam:		
Brian Alleyne:		

153031

Darren Braun:

PATENT
RECORDED: 07/06/1998 REEL: 9578 FRAME: 0063