Form PTO -1619A Expires 0 30/99 OMB 0651-0027 01-16-2002



U.S. Department of Commerce Patent and Trademark Office PATENT

1-9-02

**REC** 

101948033 **PATENTS ONLY** 

ET.

TO: The Commissioner of Patents and Trademarks: I			Please record the attached original document(s) or copy(ies).				
Submi	ssion Type		eyance Type		·		
(X)	New	(X)	Assignment	( )	Security	Agreement	
( )	Resubmission (Non-Recordation) Document ID#	( )	License	( )	Change	of Name	
( )	Correction of PTO Error Reel # Frame #	( )	Merger	( ) U.S. G	Other overnment	•	
( )			<b>(F</b> )	or Use ONLY	by U.S. Gov	vernment Agencies)	
( )	Corrective Document Reel # Frame #			Departmer	ntal File	( ) Secret File	
Conve	ying Party(ies) (X)Mark if additional names	s of conv	veying parties a	attached			
Name	(line 1) Marc Schaub					Execution Date Month Day Year	
Name	(line 2)					09/28/01	
Second	Party (line 1) Balakrishnan Ramakrishnan					Execution Date	
Name	(me i) Daiaki isinan Kamaki isinan					Month Date Year	
	(line 2)	***				09/28/01	
Receiv	ing Party ( )Mark if additional names	s of rece	iving parties at	ttached			
	(line 1) Riverstone Networks, Inc. (line 2)				(	) If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a	
Address	(line 1) 5200 Great America Parkway (line 2)					domestic representative is attached. (Designation must be a separate document from Assignment.)	
Address	(line 3) Santa Clara, city		ornia/US Country	<u>950</u> Zip C			
Domes	tic Representative Name and Address	En	ter for the first	t Receiving	Party only	y.	
Na	ame						
Address	(line 1)						
Address	(line 2)						
Address	(line 3)						
ddress	(line 4)						
/	FOR OFF	FICE US	SE ONLY				
/15/2002	TDIAZ1 00000169 09967563						
FC:581	40.00 OP						
Public bur	den reporting for this collection of information is estimated to average approxi	mately 30 .	ninutes per Cover She	ant to be record	od including ti	inco for manifesting the description	

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

> PATENT REEL: 012456 FRAME: 0491

FORM TO-1619B			U.S. Department of Commerce
Expires 06/30/99			atent and Trademark Office
OMB 0651-0027			PATENT
Correspondent Name and Address	Area Code and Tel	ephone Number <u>925-249-1</u>	300
Name Mark A. Wilson			
Address (line 1) Wilson & Ham			
Address (line 2) <u>PMB: 348</u>			
Address (line 3) 2530 Berryessa Road			
Address (line 4) San Jose, California 9513	<u>32</u>		
Pages Enter the total number of pagincluding any attachments.	es of the attached conv	eyance document	# 2
Application Number(s) or Patent Numb	er(s)	( ) Mark if	additional numbers attached
Enter either the Patent Application Numbe Patent Application Number(s)	r or the Patent Number	(DO NOT ENTER BOTH	numbers for the same property).
••		rau	ent Number(s)
09/967,563			
If this document is being filed together with a <u>new Pasigned by the first named executing inventor.</u> Patent Cooperation Treat (PCT)	tent Application, enter th	ne date the patent application v	was Month Day Year
•	DCT	DCT	D.C.T.
Enter PCT application number only if a U.S. Application Number	PCT	PCT	PCT
has not been assigned.	PCT	PCT	PCT
Number of Properties	Enter the total num	nber of properties involved.	#1
Fee Amount Fee A	mount for Properties	Listed (37 CFR 3.41):	\$ 40.00
Method of Payment: Deposit Account	Enclosed (X) Deposit Account ( )		)
(Enter for payment by deposit account or i			
	Deposit Acc	ount Number:	#
	Authorizatio	on to charge additional fees:	Yes ( ) No ( )
Statement and Signature			
To the best of my knowledge and be attached copy is a true copy of the o indicated herein.			
	Malak	led 1	10/23/01
Mark A. Wilson Name of Person Signing	Signature		Date

PATENT REEL: 012456 FRAME: 0492 Form PTO-1619C

# RECORDATION FORM COVER SHEET CONTINUATION

U.S. Department of Commerce

Expires 06/30/99

Patent and Trademark Office

**PATENT** OMB 0651-0027 PATENTS ONLY **Conveying Party(ies)** ( ) Mark if additional names of conveying parties attached Enter additional Conveying Parties Name (line 1) Kumar Mehta **Execution Date** Month Day Year Name (line 2) 09/28/01 Name (line 1) **Execution Date** Month Day Year Name (line 2) Name (line 1) **Execution Date** Month Day Year Name (line 2) **Receiving Party** ( ) Mark if additional names of receiving parties attached ( ) If document to be recorded is as assignment and the Enter additional Receiving Party(ies) receiving party is not Name (line 1) domiciles in the United States and appointment of a domestic representative is attached. Name (line 2) (Designation must be separate document from Assignment.) Address (line 1) Address (line 2) Address (line 3) City Zip Code State/Country Name (line 1) ( ) If document to be recorded is as assignment and the receiving party is not Name (line 2) domiciles in the United States and appointment of a domestic representative is attached. Address (line 1) (Designation must be separate document from Assignment.) Address (line 2) Address (line 3) City State/Country Zip Code ( ) Mark if additional numbers attached Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Number(s)

**PATENT** 

REEL: 012456 FRAME: 0493

### ASSIGNMENT OF PATENT APPLICATION

#### FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

#### Riverstone Networks, Inc.

a corporation organized under the laws of the state of Delaware as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

## FLEXIBLE APPLICATION OF MAPPING ALGORITHMS WITHIN A PACKET DISTRIBUTOR

described in an application for Letters Patent of the United States, identified as Attorney Docket No. RSTN-007, at Wilson & Ham, PMB: 348, 2530 Berryessa Road, San Jose, California 95132 and filed on Description, as Application Serial No. 69/967, 563, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Mark A. Wilson, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

mun Adrawa		l	0/10/01			
Inventor's Signature		DA	TE			
Marc Schaub						
Inventor's Printed Name						
STATE OF CALIFORNIA	)					
COUNTY OF SANTA CLARA	) SS )					
On this 10th day of October		2001	, before me personally came	the above named Ma	arc Schaub who is person	nally known
by me or proved to me on the basis of sa that he/she executed the same of his/her of		ce to be the	same individual who executed			
that no she excedded the same of misther c	JWIL II CC WIII 101	are use and p	diposes dieren set fordi.		1	

MARK A. WILSON
Comm. # 1220254
NOTARY PUBLIC CALIFORNIA
Santa Clara County
My Comm. Expires May 20, 2003

NOTARY PUBLIC
My Commission Expires: MAY 20, 2003

B.V. Ramakish an	10/10/2001
Inventor's Signature	DATE
Balakrishnan Ramakrishnan Inventor's Printed Name	
STATE OF CALIFORNIA ) SS COUNTY OF SANTA CLARA )	
On this 10th day of October	NOTARY PUBLIC My Commission Expires: MAY 20, 2003
Inventor's Signature	10/10/2m/
Kumar Mehta Inventor's Printed Name	
STATE OF CALIFORNIA ) SS COUNTY OF SANTA CLARA )	
On this day of day of or proved to me on the basis of satisfactory evidence to he/she executed the same of his/her own free will for the	,

MARK A. WILSON

**RECORDED: 01/09/2002** 

Comm. # 1220254
NOTARY PUBLIC - CALIFORNIA
Santa Clara County
My Comm. Expires May 20, 2003

NOTARY PUBLIC

My Commission Expires: MAY 20, 2003