

SUBSTITUTE FOR
FORM PTO-1619A

03-21-2002



102025567

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

11000 U.S. PTO
10/095327
03/11/02

03/11/02

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

☒ **New**

☐ **Resubmission Non-Recordation**
Document ID# _____

☐ **Correction of PTO Error**
Reel # _____ Frame # _____

☐ **Corrective Document**
Reel # _____ Frame # _____

Conveyance Type

☒ **Assignment** ☐ **Security Agreement**

☐ **License** ☐ **Change of Name**

☐ **Merger** ☐ **Other**

☐ **U.S. Government only**
☐ **Department File** ☐ **Secret File**

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

First Party: Name Manoneet Singh

Execution Date
Month/Day/Year

March 8, 2002

Second Party: Name Jerome V. Krinock

March 8, 2002

Third Party Name Thomas Michael Paff

March 8, 2002

Fourth Party Name _____

Receiving Party

☐ Mark if additional names of conveying parties attached

Name Radia Communications, Inc.
Address (line 1) Radia Communications, Inc.
Address (line 2) 275A North Mathilda Avenue
Address (line 3) Sunnyvale, California 94086

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Name _____
Address (line 1) _____
Address (line 2) _____
Address (line 3) _____

FOR OFFICE USE ONLY

03/18/2002 MDANTE1 00000007 10095327

03 FC:581

40.00 OP

Docket ID RAD310

PATENT
REEL: 012688 FRAME: 0787

Page 2

PATENT

Correspondent Name and Address

Area Code and Telephone Number 650-853-0189

Name David R. Gildea
Address (line 1) Menlo Patent Agency LLC
Address (line 2) 435 Hermosa Way
Address (line 3) Menlo Park, California 94025

Pages

Enter the total number of pages of the attached conveyance document
including any attachments# 3Application Number(s) or Patent Number(s)
attached

___ Mark if additional numbers

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)

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

If this document is being filed together with a new patent application, enter the date that the patent
application was signed by the first named inventor.Month Day Year
March 8, 2002

Patent Cooperation Treaty

Enter PCT application number
only if a U.S. Application Number
has not been assigned

PCT	_____	PCT	_____	PCT	_____
PCT	_____	PCT	_____	PCT	_____
PCT	_____	PCT	_____	PCT	_____

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40

Method of Payment:

Enclosed XDeposit Account XEnter deposit account number for payment by deposit account
or if additional fees can be charged to the account.Deposit Account Number 071248Authorization to charge additional fees: yes X no ___

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any
attached copy is a true copy of the original document. Charges to deposit account, are authorized
as indicated herein.David R. Gildea
Name of Person SigningDavid R. Gildea
SignatureMarch 11, 2002
DateDocket ID RAD310PATENT
REEL: 012688 FRAME: 078811000 U.S. PTO
10/095327
03/11/02

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Manoneet Singh of 655 South Fair Oaks Avenue, Apartment. K-301, Sunnyvale, California 94086-2058, hereafter referred to as "Assignor", has invented certain new and useful inventions as described and set forth in the below identified application for the United States Letter Patent entitled:

Method and Apparatus for Multiuser Access in a Multicarrier Modulation Network

x filed herewith; or
Serial No. *** filed on ***;

WHEREAS, Radia Communications, Inc. of 275A North Mathilda Avenue, Sunnyvale, California 94086, hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent which may be granted on the same;

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, 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. 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 and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that he will, without charge to the Assignee, but at the Assignee's expense, (a) cooperate with Assignee in the prosecution of the U. S. patent application 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 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, Assignor hereunto signs.

Manoneet Singh Mar 8, 2002
signature of Manoneet Singh date

In the county of Santa Clara, state of California,

before me this date March 8, 2002 personally appeared Manoneet Singh who is x personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted executed the document.

Notary Stamp/Seal

Karen L. Prescott
Notary Public



Docket ID RAD310

PATENT
REEL: 012688 FRAME: 0789

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Jerry Krinock of 1023 Newhall Street, San Jose, California 95126, hereafter referred to as "Assignor", has invented certain new and useful inventions as described and set forth in the below identified application for the United States Letter Patent entitled:

Method and Apparatus for Multiuser Access in a Multicarrier Modulation Network

x filed herewith; or
Serial No. *** filed on ***;

WHEREAS, Radia Communications, Inc. of 275A North Mathilda Avenue, Sunnyvale, California 94086, hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent which may be granted on the same;

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, 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. 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 and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that he will, without charge to the Assignee, but at the Assignee's expense, (a) cooperate with Assignee in the prosecution of the U. S. patent application 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 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, Assignor hereunto signs.

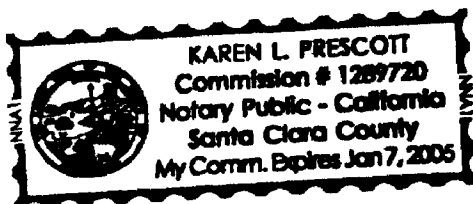
Jerry Krinock 2002 March 08
signature of Jerry Krinock date
Jerome V.

In the county of Santa Clara, state of California,

before me this date March 8 2002 personally appeared Jerry Krinock who is X
personally known to me or proved to me on the basis of satisfactory evidence to be the person whose
name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her
authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of
which the person acted executed the document.

Notary Stamp/Seal

Karen L. Prescott
Notary Public



Docket ID RAD310

PATENT
REEL: 012688 FRAME: 0790

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Thomas Michael Paff of 24771 Summerhill Avenue, Los Altos, California 94024, hereafter referred to as "Assignor", has invented certain new and useful inventions as described and set forth in the below identified application for the United States Letter Patent entitled:

Method and Apparatus for Multiuser Access in a Multicarrier Modulation Network

x filed herewith; or
Serial No. *** filed on ***;

WHEREAS, Radia Communications, Inc. of 275A North Mathilda Avenue, Sunnyvale, California 94086, hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent which may be granted on the same;

FOR good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, 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. 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 and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that he will, without charge to the Assignee, but at the Assignee's expense, (a) cooperate with Assignee in the prosecution of the U. S. patent application 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 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, Assignor hereunto signs.

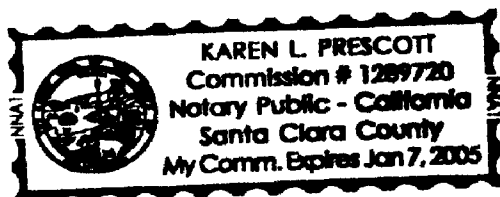
Thomas Michael Paff MARCH 8 2002
signature of Thomas Michael Paff date

In the county of Santa Clara, state of California,

before me this date March 8, 2002 personally appeared Thomas Michael Paff who is X personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted executed the document.

Notary Stamp/Seal

Karen L. Prescott
Notary Public



Docket ID RAD310

RECORDED: 03/11/2002

PATENT
REEL: 012688 FRAME: 0791