

SUBSTITUTE FOR
FORM PTO-1619A

02-20-2002



101987794
RECORDATION FORM COVER SHEET
PATENTS ONLY

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

FEB - 1 2002

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# 101886200

☐ Correction of PTO Error
Reel # _____ Frame # _____

☐ Corrective Document
Reel # _____ Frame # _____

Conveyance Type

☒ Assignment

☐ License

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

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

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

First Party: Name Singh, Manoneet

Execution Date
Month/Day/Year

October 10, 2001

Second Party: Name Lonkar, Arvind

October 10, 2001

Third Party Name Krinock, Jerry

October 10, 2001

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

02/19/2002 TDIAZ1 00000050 09975667

01 FC:581

40.00 DP

Serial No. 09/975667, Docket ID RAD295

PATENT
REEL: 012580 FRAME: 0257

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# 3

Application Number(s) or Patent Number(s)

Mark if additional numbers
attached

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)

09/975667If 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
October 10, 2001

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
Signature01/14/02
DateSerial No. 09/975667, Docket ID RAD295PATENT
REEL: 012580 FRAME: 0258

SUBSTITUTE FOR
FORM PTO-1619A

10-25-2001

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

101886200

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

Conveyance Type

☒ New

☒ Assignment

☐ Security Agreement

☐ Resubmission Non-Recordation
Document ID# _____

☐ License

☐ Change of Name

☐ Correction of PTO Error
Reel # _____ Frame # _____

☐ Merger

☐ Other

☐ Corrective Document
Reel # _____ Frame # _____

☐ U.S. Government only
Department File

☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

First Party: Name Singh, Manoneet

Execution Date
Month/Day/Year

October 10, 2001

Second Party: Name Lonkar, Arvind

October 10, 2001

Third Party Name Krinock, Jerry

October 10, 2001

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

10/19/2001 SSANDARA 00000012 071248 09975667

01 FC:581

40.00 CH

The PTO did not receive the following

listed item(s) no document

Assignment

Docket ID RAD295

PATENT
REEL: 012580 FRAME: 0259

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# 3

Application Number(s) or Patent Number(s)

____ Mark if additional numbers attached

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
October 10, 2001

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
SignatureOctober 11, 2001
DateDocket ID RAD295PATENT
REEL: 012580 FRAME: 0260

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Manoneet Singh of 600 Marathon Drive, Apt. 105, Campbell, California 95008, 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 Multicarrier Channel Estimation and Synchronization Using Pilot Sequences

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.

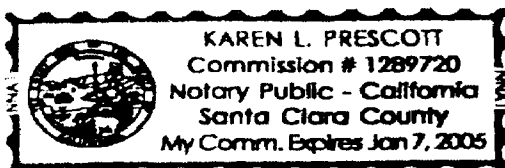
Manoneet Singh Oct. 10, 2001
signature of Manoneet Singh date

In the county of Santa Clara, state of California,

before me this date October 10, 2001 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 RAD295

PATENT
REEL: 012580 FRAME: 0261

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 Multicarrier Channel Estimation and Synchronization Using Pilot Sequences

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.

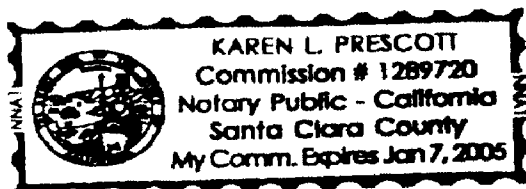
Jerry Krinock 2001 Oct 10.
signature of Jerry Krinock date

In the county of Santa Clara, state of California,

before me this date October 10, 2001 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 RAD295

PATENT
REEL: 012580 FRAME: 0262

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Arvind Lonkar of 2636 Newhall Street, No. 42, Santa Clara, California 95050, 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 Multicarrier Channel Estimation and Synchronization Using Pilot Sequences

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.

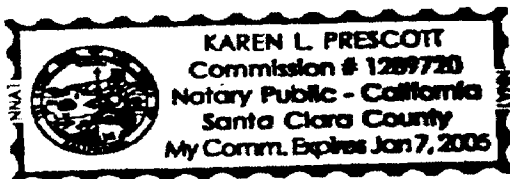
Arvind Lonkar Oct 10, 2001
signature of Arvind Lonkar date

In the county of Santa Clara, state of California,

before me this date October 10, 2001
Arvind Lonkar KLP personally appeared Arvind Lonkar 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 RAD295

PATENT
REEL: 012580 FRAME: 0263

