

02-01-1999



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

**RECORDATION FORM COVER SHEET
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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
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Gilbert, Sheldon L. Execution Date 11-13-98
Month Day Year

Name (line 2) _____

Second Party

Name (line 1) Hadar, Rami Execution Date 11-13-98
Month Day Year

Name (line 2) _____

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Ensemble Communications, Inc. 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.)

Name (line 2) _____

Address (line 1) 6256 Greenwich Drive Ste. 400

Address (line 2) _____

Address (line 3) San Diego CA 92122
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____

Address (line 4) _____

01/29/1999 DNGUYEN 00000123 08974376

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40.00 OP

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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: 9722 FRAME: 0248

Correspondent Name and Address

Area Code and Telephone Number

Name

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Address (line 3)

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Pages Enter the total number of pages of the attached conveyance document including any attachments. #

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 the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

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

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved. #

Fee Amount

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

Method of Payment: Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

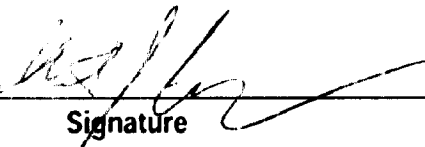
Deposit Account Number: #

Authorization to charge additional fees: Yes 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.

Martin Joseph Jaquez, Esq.
Name of Person Signing



Signature

January 22, 1999
Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

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.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

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ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that we, ***SHELDON L. GILBERT*** of 12710 Monterey Cypress Rd., San Diego, California, 92130, United States, ***RAMI HADAR*** of 5350 Toscana Way, Unit E206, San Diego, California, 92122, United States, and ***ISRAEL JAY KLEIN*** of 5260 Fiore Terrace, Apt. #214, San Diego, California, 92122, United States, have sold, assigned and transferred and by these presents do sell assign, transfer and set over unto **ENSEMBLE COMMUNICATIONS INC.**, a Delaware corporation, having a corporate office at 6256 Greenwich Drive, Suite 400, San Diego, California, 92122, its successors, legal representatives, or assigns, our whole right, title and interest in and to a certain invention relating to a patent application for

"AN ADAPTIVE TIME DIVISION DUPLEXING METHOD AND APPARATUS FOR DYNAMIC BANDWIDTH ALLOCATION WITHIN A WIRELESS COMMUNICATION SYSTEM"

Serial No. 08/974,376, executed by us and filed in the United States Patent and Trademark Office on 11/19/97 (applicant's attorney is authorized to enter serial number and filing date after execution of this document), and all original and reissue patents granted thereof, and all divisions and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said **ENSEMBLE COMMUNICATIONS INC.**, or its representatives, all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said **ENSEMBLE COMMUNICATIONS INC.**, its

successors, assigns, and nominees, to obtain and enforce proper patent protection for said invention in the United States of America and throughout the world.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said **ENSEMBLE COMMUNICATIONS, INC.**, in keeping with this Assignment.

Executed at San Diego, California, this 13th day of November, 1998.

Date: Nov 13, 1998


SHELDON L. GILBERT

Date: Nov. 13, 1998


WITNESS

Date: Nov. 13, 1998


RAMI HADAR

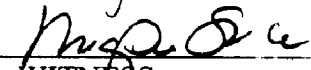
Date: Nov. 13, 1998


WITNESS

Date: Nov. 13, 1998


ISRAEL JAY KLEIN

Date: Nov. 13, 1998


WITNESS

ASSIGNMENT

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For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that we, ***SHELDON L. GILBERT*** of 12710 Monterey Cypress Rd., San Diego, California, 92130, United States, ***RAMI HADAR*** of 5350 Toscana Way, Unit E206, San Diego, California, 92122, United States, and ***ISRAEL JAY KLEIN*** of 5260 Fiore Terrace, Apt. #214, San Diego, California, 92122, United States, have sold, assigned and transferred and by these presents do sell assign, transfer and set over unto **ENSEMBLE COMMUNICATIONS INC.**, a Delaware corporation, having a corporate office at 6256 Greenwich Drive, Suite 400, San Diego, California, 92122, its successors, legal representatives, or assigns, our whole right, title and interest in and to a certain invention relating to a patent application for:

"AN ADAPTIVE TIME DIVISION DUPLEXING METHOD AND APPARATUS FOR DYNAMIC BANDWIDTH ALLOCATION WITHIN A WIRELESS COMMUNICATION SYSTEM"

Serial No. 08/974,376, executed by us and filed in the United States Patent and Trademark Office on 11/19/97 (applicant's attorney is authorized to enter serial number and filing date after execution of this document), and all original and reissue patents granted thereof, and all divisions and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said **ENSEMBLE COMMUNICATIONS INC.**, or its representatives, all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said **ENSEMBLE COMMUNICATIONS INC.**, its

successors, assigns, and nominees, to obtain and enforce proper patent protection for said invention in the United States of America and throughout the world.

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SHELDON L. GILBERT

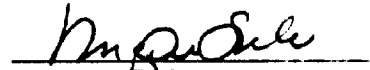
Date: Nov. 13, 1998


WITNESS


Date: Nov. 13, 1998


RAMI HADAR


Date: Nov. 13, 1998


WITNESS

Date: Nov. 13, 1998


ISRAEL JAY KLEIN

Date: Nov. 13, 1998


WITNESS

Please type a plus sign (+) inside this box

Approved for use through 09/30/2000 OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence on initial filing)

Application Number: **08/974,376**Filing Date: **11/19/97**First Named Inventor: **Gilbert et al.**Group Art Unit: **2731**Examiner Name: **Melvin Marcelo**Total Number of Pages in This Submission: **7** (including transmittal form) Attorney Docket Number: **ENS-001-PAP**

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> Small Entity Statement
<input type="checkbox"/> Fee Attached		
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Drawing (s)	<input type="checkbox"/> Request for Refund
<input type="checkbox"/> After Final		
<input type="checkbox"/> Affidavits/ declaration(s)		
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53		

XX Additional Enclosure(s) (please identify below): Copy of Assignment of above-identified previously filed patent application, Recordation Form Cover Sheet, Check for \$40 00 to cover Assignment Recordation Fees, Postcard for Return Mailing.

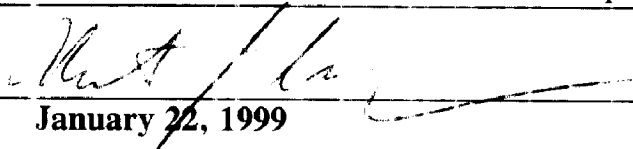
REMARKS: Dear Sirs, Please record the enclosed Assignment of the above-captioned patent application.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
or

Individual name: **JAQUEZ & ASSOCIATES - Martin Joseph Jaquez, Esq, Reg. No. 38,060**

Signature



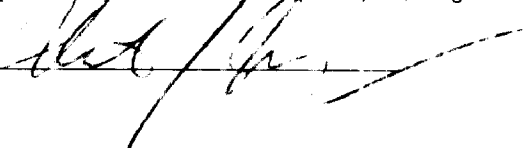
Date: **January 22, 1999**

CERTIFICATE OF MAILING

I, Martin Joseph Jaquez, Registration No. 38,060 hereby certify that this correspondence is being deposited, in accordance with 37 CFR 1.8, with the United States Postal Service with sufficient postage as First Class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: **January 22, 1999**

Typed or printed Name: Martin Joseph Jaquez, Reg. No. 38,060

Signature:



Date: **January 22, 1999**