



MRDIC-16-98

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TO THE ASSISTANT COMMISSIONER FOR PATENTS

original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- (1) Ismail Lakkis
- (2) Deirdre O'Shea
- (3) Masood K. Tayebi
- (4) Baya Hatim

Additional name(s) of conveying party(ies) attached?
() Yes (X) No

2. Name and address of receiving party(ies): 22

Name: WIRELESS FACILITIES, INC.
 Internal Address:
 Street Address: 9725 Scranton Road, Ste. 140
 City: San Diego State: CA ZIP: 92121

Additional name(s) of receiving party(ies) attached?
() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
- () Merger
- () Security Agreement
- () Change of Name
- () Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 9/3/98 (all)

4. Application number(s) or Patent number(s):

- () Application(s) filed herewith Execution Date(s):
- (X) Patent Application No.: 09/119,327
Filing Date: July 20, 1998
- () Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John M. Carson, Esq.
 KNOBBE, MARTENS, OLSON & BEAR, LLP
 Customer No. 20,995
 Internal Address: Sixteenth Floor
 Street Address: 620 Newport Center Drive
 City: Newport Beach State: CA ZIP: 92660
 Attorney's Docket No.: WIREFAC.014A

7. Total fee (37 CFR 3.41): \$40.00

- (X) Enclosed
- () Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. 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.

John M. Carson
Name of Person Signing

Signature

Date

10/13/98

34,303
Registration No.

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:

10/27/1998 TTU11 00000165 09119327

01 FC:581

40.00 EP

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

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ASSIGNMENT

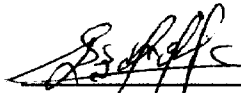
WHEREAS, We, Ismail Lakkis, a citizen of Lebanon, residing at 11173 Kelowna Road #14, San Diego, California 92126, Deirdre O'Shea, a citizen of Ireland, residing at 11173 Kelowna Road #14, San Diego, California 92126, Masood K. Tayebi, a citizen of the United Kingdom, residing at 5240 Fiore Terrace #J403, San Diego, California 92122, and Baya Hatim, a citizen of Morocco, residing at 10855 Summerset Village, Caminito Alvarez, San Diego, California 92126, have invented certain new and useful improvements in A NON-DATA-AIDED MAXIMUM LIKELIHOOD BASED FEEDFORWARD TIMING SYNCHRONIZATION METHOD for which we have filed an application for Letters Patent in the United States, Application No. 09/119,327, filed July 20, 1998;

AND WHEREAS, Wireless Facilities, Inc. (hereinafter "ASSIGNEE"), a New York Corporation, with its principal place of business at 9725 Scranton Road, Suite 140, San Diego, California 92121, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3rd day of September 1998.



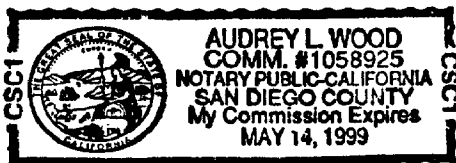
Ismail Lakkis

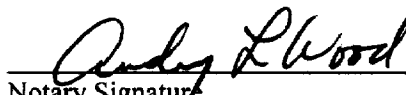
STATE OF California,
COUNTY OF San Diego, ss.

On Sept. 3, 1998, before me, Audrey L. Wood, personally appeared **Ismail Lakkis** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]





Notary Signature

(continued on page 2)

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3rd day of September 1998.

Deirdre O'Shea
Deirdre O'Shea

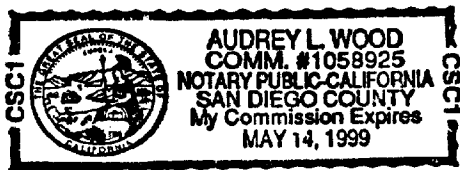
STATE OF CALIF. »
° ss.
COUNTY OF SAN DIEGO

On 9-3-98, before me, Audrey L. Wood, personally appeared Deirdre O'Shea personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in her authorized capacity(ies), and that by her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Audrey L. Wood
Notary Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3rd day of Sept. 1998.

Masood K. Tayebi
Masood K. Tayebi

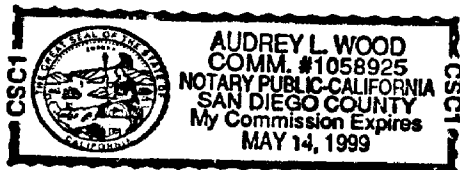
STATE OF California »
° ss.
COUNTY OF San Diego

On 9-3-98, before me, Audrey L. Wood, personally appeared Masood K. Tayebi personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Audrey L. Wood
Notary Signature



(continued on page 3)

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3rd day of sept 1998.

Baya Hatim
Baya Hatim

STATE OF California ss.
COUNTY OF San Diego

On 9-3-98, before me, Audrey L Wood personally appeared **Baya Hatim** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in her authorized capacity(ies), and that by her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Audrey L Wood
Notary Signature

