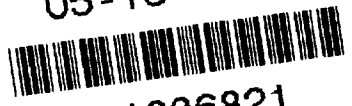


MKB 4-30-99

05-13-1999



101036821

DOCKET NO. 47586-P031US-988761
ASSIGNMENT COVER LETTER

"Express Mail" label no. EM573231349US

Date of Deposit: April 30, 1999

I hereby certify that this is being deposited with the United States Postal Service Express "Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

JCS11 U.S. PTO
09/303075



Box PATENT APPLICATION
Assistant Commissioner
for Patents
Washington, D.C. 20231

By: *Linda Cuccia*

Printed/Typed Name: Linda Cuccia

ASSIGNMENT COVER LETTER ACCOMPANYING
NEW PATENT APPLICATION

1. The patent application filed herewith and to which the attached assignment refers is identified as follows:

a. Date of execution: **April 17, 1999**

b. Inventor(s):

09/303075

(1) **Michael G. Kuplicki**

c. Title of invention:

SYSTEM AND METHOD FOR ALIGNING SIGNALS HAVING DIFFERENT PHASES

2. The party(ies) conveying this interest is(are):

(1) **Michael G. Kuplicki**

3. The rights are being conveyed to:

Metawave Communications Corporation
10735 Willows Road N.E.
P.O. Box 9769
Redmond, WA 98073-9769

4. The accompanying document intends to accomplish:

An assignment.

5. Please address correspondence to:

David H. Tannenbaum
Fulbright & Jaworski L.L.P.
2200 Ross Avenue, Suite 2800
Dallas, Texas 75201
Registration No. 24,745
Telephone: (214) 855-8333

05/12/1999 JSHABAZZ 00000209 09303075

01 FC:581

40.00 DP

6. The attached assignment (document) was executed on:

April 17, 1999

7. Submitted herewith is the original document.

8. a. This cover sheet identifies only one application.

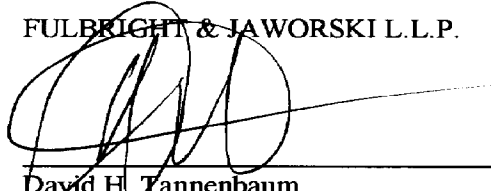
b. The fee for recordation is **\$40.00** and a check in that amount is enclosed herewith.

9. 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.

10. The total number of pages being submitted, including the cover sheet, attachment(s) and document(s) are: **3**.

Respectfully submitted,

FULBRIGHT & JAWORSKI L.L.P.



David H. Tannenbaum
Attorney for Applicant
Reg. No. 24,745
2200 Ross Avenue, Suite 2800
Dallas, Texas 75201
(214) 855-8333

Date: April 30, 1999

When recorded please return to:

David H. Tannenbaum
Fulbright & Jaworski L.L.P.
2200 Ross Avenue, Suite 2800
Dallas, Texas 75201

PATENT APPLICATION

ATTORNEY DOCKET NO. 47586-P031US-988761

ASSIGNMENT

WHEREAS, I, the undersigned inventor, of residence as listed below, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Metawave Communications Corporation, a Washington corporation, having a principal place of business located at 10735 Willows Road N.E., P.O. Box 9769, Redmond, Washington 98073-9769 (hereinafter referred to as "Assignee"), desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: **SYSTEM AND METHOD FOR ALIGNING SIGNALS HAVING DIFFERENT PHASES**

Full name of sole Inventor: Michael G. Kuplicki

Inventor's signature Michael G. Kuplicki

Country of Citizenship: U.S.A.

Date of Assignment: 4-17-99

Date Application Executed: 4-17-99

Residence 11525 Trombley Road, Snohomish, Washington 98290

Post Office Address: 11525 Trombley Road, Snohomish, Washington 98290

762596.1

RECORDED: 04/30/1999

PATENT
REEL: 9940 FRAME: 0309