

09-03-1999

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To the Commissioner of Patents and Trademarks: please record the attached original document(s) or copy(ies) thereof.

<p>1. Name of conveying party(ies): Gary S. Goldsmith, Donn Harvey, Sheldon K. Meredith, Thomas Shafer</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>Metawave Communication Corporation</u> Internal Address: _____ Street Address: <u>10735 Willows Road., NE, P.O. Box 97069</u> City: <u>Redmond</u> State: <u>WA</u> Zip: <u>98073-9769</u></p> <p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date(s): <u>August 4, 1999</u></p>
<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s): _____ B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>R. Ross Viguet</u> Internal Address: <u>Fulbright & Jaworski L.L.P.</u> Street Address: <u>2200 Ross Avenue, Suite 2800</u> City: <u>Dallas</u> State: <u>TX</u> Zip: <u>75201</u></p>	<p>6. Total number of applications and patents involved: <u>1 (One)</u></p> <p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>06-2380</u> (Attach duplicate copy of this page if paying by deposit account)</p>

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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.

<u>R. Ross Viguet</u> Name of Person Signing	<u>[Signature]</u> Signature	<u>8-26-99</u> Date
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Total number of pages including cover sheet, attachments, and document. 3

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

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Form 10/98-722304

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

Attorney Docket No. 47586-P034US-992255

ASSIGNMENT

WHEREAS, we, the undersigned inventors, of residence as listed, 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 Delaware corporation, having a principal place of business located at 10735 Willows Road NE, P.O.Box 97069, Redmond, WA 98073-9769 (herein called "Assignee"), desires to acquire our 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, we 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 we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We 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 we 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.

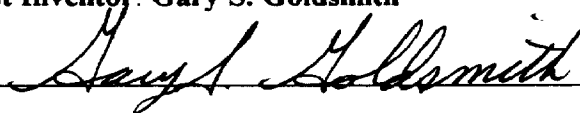
We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and 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: **MULTI-LAYER SWITCHED LINE PHASE SHIFTER**

Full name of sole or first Inventor: **Gary S. Goldsmith**

Inventor's signature



Country of Citizenship: **U.S.A.**

Date of Assignment:

8/4/99

Date Application Executed:

8/4/99

Residence: **11000 NE 144th PST, Kirkland, WA 98034**

Post Office Address: **11000 NE 144th PST, Kirkland, WA 98034**

When recorded please return to:

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PATENT

Attorney Docket No. 47586-P034US-992255

Full name of second Inventor, if any: Donn Harvey

Inventor's signature

Country of Citizenship: U.S.A.

Date of Assignment:

8/4/99

Date Application Executed:

8/4/99

Residence : 510 Mt. Hood Drive NW, Issaquah, WA 98027

Post Office Address: 510 Mt. Hood Drive NW, Issaquah, WA 98027

Full name of third Inventor, if any: Sheldon K. Meredith

Inventor's signature

Country of Citizenship: U.S.A.

Date of Assignment:

8/4/1999

Date Application Executed:

8/4/1999

Residence : 27710 NE 141st Street, Duvall, WA 98019

Post Office Address: 27710 NE 141st Street, Duvall, WA 98019

Full name of third Inventor, if any: Thomas Shafer

Inventor's signature

Country of Citizenship: U.S.A.

Date of Assignment:

8-4-99

Date Application Executed:

8-4-99

Residence : 6420 47th Avenue SW, Seattle, WA 98136

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