

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
A. J. Paul Carew	07/21/1999
Ronald D. Lutz, Jr.	07/22/1999
Brendon W. Mills	07/21/1999

RECEIVING PARTY DATA

Name:	General Bandwidth Inc.
Street Address:	12303-B Technology Blvd.
City:	Austin
State/Country:	TEXAS
Postal Code:	78727-6104

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11467357

CORRESPONDENCE DATA

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Address Line 4: Dallas, TEXAS 75201

ATTORNEY DOCKET NUMBER:

066303.0252

NAME OF SUBMITTER:

Judy Baggett

Total Attachments: 2

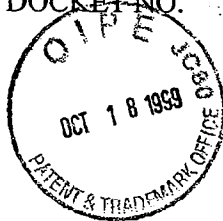
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PATENT

REEL: 018175 FRAME: 0338

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CH \$40.00 11467357



ASSIGNMENT

WHEREAS, I, one of the undersigned joint 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, General Bandwidth Inc. (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 8303 N. Mopac, Suite A-101, Austin, Texas 78759, 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: METHOD AND APPARATUS FOR PROVIDING
VOICE SIGNALS TO AND FROM A
TELECOMMUNICATIONS SWITCH

Signature of Inventor:
Inventor's Name:

A. J. Paul Carew
A. J. Paul Carew

Residence (City, County, State)

Austin, Travis County, Texas

Date:

7/21/99
A. J. Paul Carew

Date Application Executed:

7-16-99

Signature of Inventor:
Inventor's Name:

Ronald D. Lutz, Jr.
Ronald D. Lutz, Jr.

Residence (City, County, State)

Roundrock, Williamson County, Texas

Date:

7/22/99

Date Application Executed:

7-16-99

Signature of Inventor:
Inventor's Name:

Brendon W. Mills
Brendon W. Mills

Residence (City, County, State)

Austin, Travis County, Texas

Date:

7-21-99

Date Application Executed:

7-16-99