

01-24-2005

Attorney Docket No. 021795-000700US

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



102923800

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Sudeep Bhoja, John S. Wang,
Hai Tao

Execution Date(s) November 15, 2004

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

2. Name and address of receiving party(ies)

Name: Big Bear Networks

Internal Address: _____

Street Address: 345 Potrero Avenue

City: Sunnyvale

State: California

Country: US Zip: 94085

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Ko-Fang Chang

Internal Address: _____

TOWNSEND AND TOWNSEND AND CREW LLP

Street Address: Two Embarcadero Center,
Eighth Floor

City: San Francisco

State: California Zip: 94111-3834

Phone Number: (650) 326-2400

Fax Number: (415) 576-0300

Email Address: kfchang@townsend.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 numbers _____
Expiration Date _____

b. Deposit Account Number 20-1430

Authorized User Name Townsend and

Townsend and Crew LLP

9. Signature:

Ko-Fang Chang
Signature

1/4/2005

Date

Ko-Fang Chang

Name of Person Signing Atty. Reg. No. 50,829

Total number of pages including cover sheet, attachments, and documents:

2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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01/24/2005 610M11 00000017 201430 11029297
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PATENT
REEL: 016158 FRAME: 0623

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Sudeep Bhoja of 1474 De Palma Drive, San Jose, CA 95120; John S. Wang of 1164 Regia Court, Sunnyvale, CA 94087; Harry Tao of 516 Humber Court, Sunnyvale, CA 94087 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: ADAPTIVE EQUALIZATION WITH GROUP DELAY

Date(s) of execution of Declaration: _____

Filing Date: Herewith

Application No.: Unassigned; and

WHEREAS, Big Bear Networks, a corporation of the state of Delaware, located at 345 Potrero Avenue, Sunnyvale, CA 94085, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.


Dated: Nov 15th 2004


SUDEEP BHOJA

Dated: Nov 1, 2004


JOHN S. WANG

Dated: 10/01/2004


~~HARRY~~ TAO
HAI