

04-26-2002

FORM PTO-1596

1-31-92

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No.: 52637-0033

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):

Andrew Storm and David Wu

Additional name(s) of conveying party(ies) attached? ☐ Yes

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: February 25, 2002 and March 26, 2002

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

Name: Bandspeed, Inc.

Internal Address:

Street Address: 7000 West William Cannon Drive,
Suite 100

City: Austin State/Country TX ZIP: 78735

Additional name(s) & address(es) attached? ☐ Yes

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

If the document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).

10/057,133 filed January 24, 2002

B. Patent No(s).

Additional numbers attached? ☐ Yes

5. Name and address of party to whom correspondence concerning

Document should be mailed:

Name: HICKMAN PALERMO TRUONG & BECKER, LLP

Internal Address:

Street Address: 1600 Willow Street

City: San Jose State: CA Zip: 95125-5106

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1302

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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.

Edward A. Becker, Registration No. 37,777

April 3, 2002

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

04/25/2002 DBYRNE 00000162 10057133

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40.00 OP

PATENT
REEL: 012818 FRAME: 0191

ASSIGNMENT

WHEREAS WE, ANDREW STORM, of Hawthorn, Victoria, Australia, and DAVID WU of Melbourne, Victoria, Australia, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ADAPTIVE ADJUSTMENT OF TIME AND FREQUENCY DOMAIN EQUALIZERS IN COMMUNICATIONS SYSTEMS, executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

OR

for which an application for United States Letters Patent was filed on January 24, 2002, and identified by United States Serial No. 10/057,133;

AND WHEREAS, Bandspeed, Inc., a corporation of the State of Delaware and having an address of 7000 West William Cannon Drive, Suite 100, Austin, Texas 78735 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto Bandspeed, Inc., its legal representatives, successors, and assigns ("Assignee"), the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with the said Assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

AND we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

25th FEB 2002

Date



ANDREW STORM

Date

DAVID WU

ASSIGNMENT

WHEREAS WE, ANDREW STORM, of Hawthorn, Victoria, Australia, and DAVID WU of Melbourne, Victoria, Australia, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ADAPTIVE ADJUSTMENT OF TIME AND FREQUENCY DOMAIN EQUALIZERS IN COMMUNICATIONS SYSTEMS, executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

OR

for which an application for United States Letters Patent was filed on January 24, 2002, and identified by United States Serial No. 10/057,133;

AND WHEREAS, Bandspeed, Inc., a corporation of the State of Delaware and having an address of 7000 West William Cannon Drive, Suite 100, Austin, Texas 78735 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto Bandspeed, Inc., its legal representatives, successors, and assigns ("Assignee"), the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

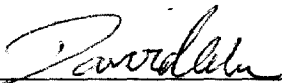
UPON SAID CONSIDERATIONS, we hereby agree with the said Assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and Assignee;

AND we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date

ANDREW STORM

26/3/2002
Date


DAVID WU