

7.19.99

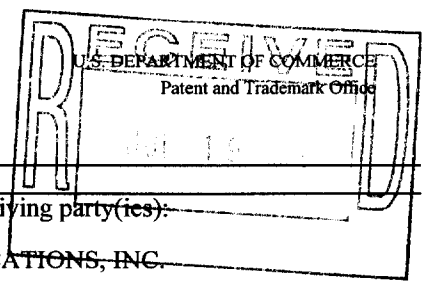
07-21-1999

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
M&G- 12430.5US01

RECO



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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
  
SPECTRACOM, INC.

2. Name and address of receiving party(ies):  
  
ADC TELECOMMUNICATIONS, INC.  
12501 Whitewater Drive  
Minnetonka, Minnesota 55343

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

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

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other:

Execution Date: June 9, 1999

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)  
  
09/168,600

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: J. Derek Vandenburg  
Address: Merchant & Gould P.C.  
3100 Norwest Center  
90 South Seventh Street  
Minneapolis, MN 55402-4131

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. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725

DO NOT USE THIS SPACE

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.  
  
J. Derek Vandenburg  July 15, 1999  
Name of Person Signing Signature Date  
  
Total number of pages including cover sheet, attachments, and document: 6

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:  
**Commissioner of Patents and Trademarks**  
Box Assignments  
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

07/20/1999 DNGUYEN 00000383 09168600  
01 FC:581 ( 40.00 OP )

PATENT  
REEL: 010099 FRAME: 0591

## PATENT ASSIGNMENT

This Assignment (the "Assignment") is made by and between Spectracom, Inc., a Minnesota corporation (the "Company"), and ADC Telecommunications, Inc., a Minnesota corporation ("Buyer").

WHEREAS, the Company is the owner by assignment of the entire right, title and interest in and to the patents and patent applications identified on the attached Appendix A, together with the invention(s) disclosed therein (collectively the "Patents"); and

WHEREAS, Buyer is desirous of acquiring the entire right, title, and interest in and to the Patents, together with any and all causes of action and rights of recovery for past infringements of the Patents, and all of the rights vested in the Company by virtue of the instruments of assignment and/or by virtue of other instruments pursuant to which the Company became vested with said ownership, including the right, title, and interest in and to any and all improvements acquired pursuant to the terms of said instruments of assignment.

NOW, THEREFORE, for good and valuable consideration received by the Company from Buyer, the receipt in full of which is hereby acknowledged, the parties agree as follows:

1. The Company hereby sells, assigns, transfers and conveys unto Buyer the entire right, title and interest throughout the world in and to the Patents and in and to any division, continuation, continuation-in-part, reissue and extension of said Patents, together with all of the Company's entire rights to Buyer to file in its own name applications for patents and like protection for said inventions in all countries foreign to the United States, all international rights, all priority associated with said inventions, applications and like protection, and all other rights vested in the Company by virtue of the instruments of assignment and/or by virtue of other instruments pursuant to which the Company became vested with said ownership, including the right, title, and interest in and to any and all improvements acquired pursuant to the terms of said instruments of assignment, and each and every Letters Patent, both foreign and domestic, which is granted on any application which is a division, substitution, continuation or continuation-in-part of the Patents, and in and to each and every reissue or extension of the Patents.

2. The Company further sells, assigns, transfers and conveys unto Buyer the entire right, title and interest in and to any and all causes of action and rights of recovery for past infringement of the Patents.

3. The Company hereby covenants and agrees to cooperate with Buyer so that Buyer may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include prompt execution of all papers prepared at the expense of Buyer which are deemed

*Patent Assignment:  
Final*

necessary or desirable by Buyer to perfect in it the right, title and interest herein conveyed and to obtain and maintain Letters Patent in any and all countries.

4. The Company hereby authorizes and requests the Commissioner of Patents and Trademarks in the respective jurisdictions to issue all Letters Patent which may be granted upon any of the applications included in the Patents as defined above, to Buyer, as the assignee of the entire interest therein.

5. The Company covenants that the Company, its legal representatives and assigns will, at the expense of Buyer, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give Buyer, its successors and assigns the full benefit of this Assignment.

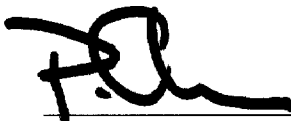
6. The Company hereby warrants and represents that it has not entered into any assignments, contracts or other understandings with third parties which would conflict with the rights herein granted.

7. The terms, covenants and provisions of this Assignment shall inure to the benefit of Buyer, its successors, assigns, and/or legal representatives, and shall be binding upon the Company, its successors, assigns and/or other legal representatives.

[Remainder of Page Intentionally Left Blank]

IN WITNESS WHEREOF, the Company has executed and delivered this instrument this \_\_\_ day of June, 1999.

SPECTRACOM, INC.



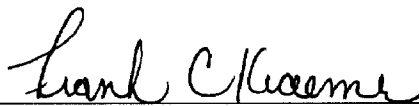
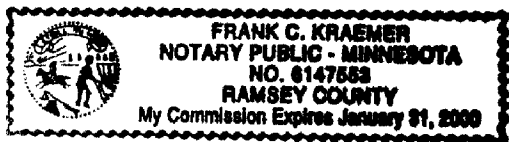
Paul E. Columbo, Co-Chairman

State of MINNESOTA )

) ss.

County of RAMSEY )

On this 9<sup>th</sup> day of June, 1999, before me appeared PAUL E. COLOMBO, the person who signed this instrument, who acknowledged that he or she signed it as a free act on behalf of the identified corporation with authority to do so.



Notary Public

ADC TELECOMMUNICATIONS, INC.

\_\_\_\_\_  
Lynn J. Davis, Senior Vice President,  
President Broadband Connectivity Group

State of \_\_\_\_\_ )

) ss.

County of \_\_\_\_\_ )

On this \_\_\_ day of June, 1999, before me appeared \_\_\_\_\_, the person who signed this instrument, who acknowledged that he or she signed it as a free act on behalf of the identified corporation with authority to do so.

\_\_\_\_\_  
Notary Public



1. U.S. Patent Application, Serial No. 09/168,600, Filed on October 8, 1998.  
Inventors: Mark McElhinney and Paul Colombo.  
Title: "Semiconductor Lasers Having Single Crystal Mirror Layers Grown Directly on Facet"
2. Unfiled patent application titled: "Apparatus and Method for Batch Processing Semiconductor Lasers"
3. Unfiled patent application titled: "Multi-Frequency Add/Drop Filter for Optical Waveguide Coupling"