FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 409)	/30	199	R
To the Honorable Commis	sioner of	Patents	anc

04-06-1999

U.S. DEPARTMENT	OF COMMERCE
Patent and	Trademark Office

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the Honorable Commissioner of Patents and	101002
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To the Honorable Commissioner of Patents and 10	11002336 ginal documents or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(les):	
Marian Kramarczyk David Foni Haim Jacobson Francois Hatte	Name: ADC Telecommunications, Inc.	
Additional name(s) of conveying party(ies) attached?YesNo	Street Address: 12501 Whitewater Drive	
3. Nature of conveyance:		
X Assignment Merger	City: Minnetonka State: MN ZIP: 55343	
Security Agreement Change of Name Other	Additional name(s) & address(es) attached?Yes _X_No	
Execution Date: February 24, 1999, respectively		
4. Application number(s) or patent number(s):		
If this document is being filed together with a new applica	tion, the execution date of the application is:	
A. Patent Application No(s).	B. Patent No(s).	
Serial No.: 08/222,089 Title: MULTIPLE PORT COMMUNICATION Additional numbers attached?Yes _X_No	Filed December 29, 1998 NS INTERFACE APPARATUS AND METHOD	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name: Mark A. Hollingsworth	7. Total fee (37 CFR §3.41): \$_40.00 X Enclosed Authorized to be charged to deposit account	
Address: MUETING, RAASCH & GEBHARDT, P.A. P.O. Box 581415 Minneapolis, MN 55458-1416		
05/1999 JSHABAZZ 00000148 08222089	8. Please charge any additional fees or credit any overpayments to Deposit account number: 13-4895	
C:581 40.00 OP	over payments to beposit account number. 15-4025	
DO NOT	USE THIS SPACE	
9. Statement and signature.		
copy of the original document. Mark J. Gebhardt/Reg. No. 35,518	ation is true and correct and any attached copy is an original or a true 26 March 99	
Name of Person Signing Signature	Date	
Total number of pages including cov	ver sheet, attachments, and document(s): _4_	

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

ASSIGNMENT

Whereas We, Marian Kramarczyk, David Foni, Haim Jacobson, and Francois Hatte, with residences and citizenships as indicated below; have made an invention in

MULTIPLE PORT COMMUNICATIONS INTERFACE APPARATUS AND METHOD

Filed: December 29, 1998

Serial No.: 09/222,089

and executed an application for Letters Patent of the United States of America based thereon;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto ADC Telecommunications, Inc. ("Company"), a corporation of Minnesota, having its principal office at 12501 Whitewater Drive, Minnetonka, Minnesota 55343, its successors and assigns, the entire right, title, and interest in and to said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by the Company of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by us or any of us had this assignment and transfer not been made;

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to ADC Telecommunications, Inc. as the assignee of the entire right, title, and interest therein.

In witness whereof, we have hereunto signed our names on the days and years set forth below.

Name: Marian Kramarczyk
Citizenship: United States of America
Address: 22 Lancaster Drive
Suffern, New York 10901

STATE OF New Jersey

COUNTY OF Berger

SE

On this 24 day of February 1999 before me personally appeared Marian Kramarczyk to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.

Notary Public

CAROLINE C. MERZ NOTARY PUBLIC OF NEW JERSEY My Commission Expires Feb. 24, 2002

> PATENT REEL: 9860 FRAME: 0129

Assignment Page 2 of 3
Serial No. 09/222,089 Filed: December 29, 1998 Filed: The series of th
For: MULTIPLE PORT COMMUNICATIONS INTERFACE APPARATUS AND METHOD 2/24/99
Name David Foni Date Citizenship: United States of America Address: 269 Fountain Road Englewood, New Jersey 07631
STATE OF New Tersey COUNTY OF Bergen) ss.
On this 24th day of Eo(Valy 1999 before me personally appeared David Foni to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.
Motary Public Mount
d 1M 2/24/99
Name Haim Jacobson Date Citizenship: United States of America Address: 20 Inness Road Tenafly, New Jersey 07670
STATE OF New Tersey
COUNTY OF Bergen)ss.
On this <u>94</u> day of <u>February</u> 1999 before me personally appeared Haim Jacobson to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.
Caroline C Mary Netary Public

CAROLINE C. MERZ NOTARY PUBLIC OF NEW JERSEY My Commission Exploss Feb. 24, 2002

1.,

PATENT

REEL: 9860 FRAME: 0130

Serial No. 09/222,089 Filed: December 29, 1998

For: MULTIPLE PORT COMMUNICATIONS INTERFACE APPARATUS AND METHOD

Name

Francois Hatte

RECORDED: 03/30/1999

Citizenship:

France

Address: 43 Grove Street

South Hackensack, New Jersey 07606

STATE OF _

Bacan)

COUNTY OF

On this On this of February 1999 before me personally appeared Francois Hatte to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth

Notary Public

CAROLINE C. MERZ
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Feb. 24, 2002

PATENT

REEL: 9860 FRAME: 0131