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Form PTO-1595 (Rev. 08/05) U9 - 2 / OMB No. 0651-0027 (exp. 6/30/2008)	7 - 2006 U.S. DEPARTMENT OF COM United States Haten Orio Trademai	
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To the Director of the U.S. Patent and Trademark Office: F	13277 Please record the attached documents or the Few addicates below	V. IO
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
Altitun AB	Name: ADC Telecommunications, Inc.	
	Internal Address:	
A difficulty of the state of th		
Additional name(s) of conveying party(ies) attached? Yes ✓ 3. Nature of conveyance/Execution Date(s):	Street Address: <u>13625 Technology Drive</u>	
Execution Date(s) December 19, 2003	- 13029 130/mology 2/110	
✓ Assignment Merger		
Security Agreement Change of Name	City: Eden Prairie	
Joint Research Agreement	State: MN	
Government Interest Assignment		
Executive Order 9424, Confirmatory License	Country: USA Zip: 55344	
Other	Additional name(s) & address(es) attached? Yes	√ N
4. Application or patent number(s):	his document is being filed together with a new applic	
A. Patent Application No.(s)	B. Patent No.(s)	
09/949,597	6,665,457	
091949,091	0,000,407	
Additional number	s attached? Yes VNo	
5. Name and address to whom correspondence		
concerning document should be mailed:	6. Total number of applications and patents involved: 1	
	involved: 1	
concerning document should be mailed: Name: lain A. McIntyre	involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Concerning document should be mailed: Name: Iain A. McIntyre Internal Address:	involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card	
Carlson, Caspers, Vandenburgh & Lindquist	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	
Carlson, Caspers, Vandenburgh & Lindquist Street Address:	involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card	
Concerning document should be mailed: Name: _lain A. McIntyre Internal Address:Carlson, Caspers, Vandenburgh & Lindquist Street Address:225 South Sixth Street. Suite 3200	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	
Carlson, Caspers, Vandenburgh & Lindquist Street Address: 225 South Sixth Street, Suite 3200 City: Minneapolis	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	g titl
Concerning document should be mailed: Name: _lain A. McIntyre Internal Address:Carlson, Caspers, Vandenburgh & Lindquist Street Address:225 South Sixth Street. Suite 3200 City: _Minneapolis State: _MNZip: _55402	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 and the second	g titl
Concerning document should be mailed: Name: _lain A. McIntyre Internal Address:Carlson, Caspers, Vandenburgh & Lindquist Street Address:25 South Sixth Street. Suite 3200 City: _Minneapolis State: _MNZip: _55402 Phone Number: _612,436,9610	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 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date	g titl
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT TO CORPORATION

WHEREAS, Altitun AB, hereafter referred to ASSIGNOR, a corporation having whose business address is PO Box 911, SE 175 29 Jarfalla, Sweden, having acquired the entire, right, title and interest in U.S. Patent Application Serial No. 09/949597, entitled WAVELENGTH TUNABLE ELECTRO-ABSORPTION MODULATOR AND TUNABLE LASER, hereafter referred to as PATENT PROPERTY, and

WHEREAS, ADC Telecommunications, Inc., hereafter referred to as ASSIGNEE, a business organized under the laws of Minnesota and whose place of business and business address is 13625 Technology Drive, Eden Prairie, Minnesota 55344, is desirous of acquiring the entire right, title and interest in said PATENT PROPERTY;

NOW, THEREFORE for good and valuable consideration, the receipt whereof is acknowledged, ASSIGNOR hereby assigns and transfers unto ASSIGNEE the full and exclusive right to said PATENT PROPERTY in the United States and the entire right, title and interest in and to all divisionals, continuations, continuations in part, reissues, reexaminations or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extension of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent based on the PATENT PROPRTY including an assignment of all rights under the provision of international conventions and all Letters Patent of foreign countries which may be granted therefrom; ASSIGNOR hereby authorizes the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

ASSIGNOR hereby agrees that ASSIGNOR, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to ASSIGNOR relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said PATENT PROPERTY, Letters Patent, rights, titles and benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

ASSIGNOR represents and agrees with said ASSIGNEE, its successors and assignees, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by ASSIGNOR, and that full right to convey the same as herein expressed is possessed by ASSIGNOR.

1010.8089U1

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PATENT REEL: 018323 FRAME: 0044 IN TESTIMONY WHEREOF, a duly authorized officer of ASSIGNOR, has hereunto set his hand on the date indicated below.

Bradley V. Crary

Director Altitun AB Date December, 2003

State of

County of _

On this $\underline{/9}$ day of December, 2003, before me personally appeared Bradley V. Crary, to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the use and purposes therein set forth.

JEAN HAMMOND
NOTARY PUBLIC-MINNESOTA

Notary Public

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lundqvist

Title: TUNABLE ELECTRO-ABSORPTION MODULATOR AND TUNABLE LASER

Docket No.: 1010.8089U1 Filed: September 10, 2001

U.S. Patent No. 6,665,457 Serial No.: 09/949,597

Mail Stop Assignment Recordation Services Commissioner for Patents P.O.Box 1450 Alexandria, VA 22313-1450

We are transmitting herewith the attached:

- X A return postcard.
- X An Assignment of the invention to ADC Telecommunications, Inc.
- X A Recordation Form Cover Sheet.

If not provided for in a separate paper filed herewith, please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional required fees or credit overpayment to Deposit Account No. 50-2880.

Name: Iain A. McIntyre Reg. No. 40,337

<u>CERTIFICATE UNDER 37 CFR 1.8:</u> The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Mail Stop Assignment Recordation Services, Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-1450, on this <u>20th</u> day of <u>September.</u> 2006

Iain A. McIntyre

RECORDED: 09/25/2006

Name

Signature

PATENT REEL: 018323 FRAME: 0046