	06-16-2004	US PTO			
FORN PTO-1595 (Rev. 8-93) OMB No. 0651-0011 (exp. 494)	102767211 PATENTS UNLT	U.S. Department of Commerce Patent And Trademark Office			
To the Honorable Commissioner of Patents and	Trademarks: Please record the attached original doc	current or copy thereof.			
I. Name of conveying party(ies): James Ronald Bonar 06/02/2 Michael George Jubber 06/03/2 Additional name(s) of conveying party(ies) attace	2004 Internal Address:				
3. Nature of conveyance: <u>X</u> AssignmentMer Security AgreementCha	rger ange of Name	9919 Encyclopedia Circle 			
_ Other Execution Date:See Above		ddress(es) attached? YesX_ No			
4. Application number(s) or registration number(s): If this document is being filed together with a new application, the execution date of the application is: <u>4 Jun 2004</u> (Date of Filing) A. Patent Application No.(s) B. Document ID No.					
5. Name and address of party to whom correspondocument should be mailed: Name: <u>William B. Patterson</u> Internal Address: <u>MOSER, PATTERSON &</u> Street Address: <u>3040 Post Oak Boulevard, S</u> City: <u>Houston</u> State: <u>TX</u>	7. Total fee (37 C.F.R. SHERIDAN, L.L.P. Enclosed Suite 1500 Zip: 77056	lications and patents involved:1 3.41)\$\$40.00 e charged to deposit account nber: <u>20-0782/AVAN/001202/WBP</u>			
<u>William B. Patterson, Reg. No. 34,102</u> Name of Person Signing		sheet, attachments and document: 5			
Mail doci Cc 15/2004 DBYRNE 00000067 200782 1086197 FC:8021 40.00 DA	uments to be recorded with required cover sheet infor ommissioner of Patents & Trademarks, Box Assignme Washington, D.C. 20231	mation to: ents			

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

	James Ronald Bonar 48, Sandielands Avenue Erskine, PA8 788 United Kingdom	2)	Michael Geurge Jubber 59 Northfield Meadows Longridge West Lothian EH47 85A United Kingdom
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(hereinafter referred to as Assigners), have invented a cartain invention entitied:

INTEGRATED OPTICAL DEVICE WITH REDUCED WAVEGUIDE BIREFRINGENCE

enclosed herewith or for which application for Letters Patent in the United States was filed on, under Serial No. Unknown, executed on even date herewith; and

WHEREAS, Avanex Corporation, a corporation of the State of Delaware, having a principal place of business at 40919 Encyclopedia Circle, Fremont, California 94536, (hereinaliar referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to us invention), and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Assigners, and in and to any and all patents, inventor's centificates and other forms of protection (hereinafter referred to as Patients) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assigners to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said invention in any sud all countries pursuant to the international Convention for the Protection of industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said invention in any sud all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every release or extension of any of said Patents.

2. Said Assigners hareby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interast to said invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assigners shall include prompt production of pertinent facts and documents, giving testimony, execution of pertinent, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said invention: (d) for filing and prosecuting applications for releasance of any of said Patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any application therefore and any Patente granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contexts, public use proceedings, intringement actions and court actions; provided, however, that the expense incurred by said Assigners in providing such cooperation shall be paid for by said Assignee.

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3. The term and covenants of this agreement shall inure to the benefit of said Assignes, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to caid Assignee on the dates indicated below.

1) _____(DATE)

James Ronald Bonar

3rd June 2004 (DATE) 2)

Michael G. Flits

Michael George Jubber

AVAN_001202 ASSIGNMENT.DOC

2 of 2

ASSIGNMENT FOR APPLICATION FOR PATENT

WHFREAS:

Names and Addresses of Inventors:

1)	James Ronald Bonar 48, Sandiclands Avenue Erckine, PA8 78S United Kingdom	2)	Michael George Jubber 59 Northficld Meadows Longridge West Lothian EH47 BSA United Kingdom

(hereinafter referred to as Assignors), have invented a certain invention entitled:

INTEGRATED OPTICAL DEVICE WITH REDUCED WAVEGUIDE BIREFRINGENCE

enclosed herewith or for which application for Letters Patent in the United States was filed on, under Serial No. Unknown, executed on even date herewith; and

WHEREAS, Avencx Corporation, a corporation of the State of Delaware, having a principal place of business at 40919 Encyclopedia Circle, Fremont, California 84538, (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and In and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignore, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assigners to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the international Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including cach and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assigners hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assigners shall include prompt production of pertinent facts and documents, giving testimony, execution of pertitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (c) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application Unerefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

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1 of 2

3. I he term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assigners, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

2" JUNO 2004 (DATE) 1)

& la

ames Ronald Bonar

2) _____ (DATE)

Michael George Jubber

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RECORDED: 06/04/2004