

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
TEKNOVUS, INC.		11/21/2008	CORPORATION: CALIFORNIA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	SILICON VALLEY BANK		
<b>Street Address:</b>	3003 Tasman Drive		
<b>City:</b>	Santa Clara		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	95054		
<b>Entity Type:</b>	CORPORATION: CALIFORNIA		
<b>PROPERTY NUMBERS Total: 5</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
Registration Number:	3191573	TEKNOVUS	
Registration Number:	2918779	ETHERNETPLUS	
Serial Number:	77228566	TURBO-EPON	
Serial Number:	77565704	TEKNOVUS	
Serial Number:	77565700	TEKNOVUS ACCESS THE FUTURE	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(858)550-6420		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
<b>Phone:</b>	858-550-6403		
<b>Email:</b>	erin.obrien@cooley.com		
<b>Correspondent Name:</b>	Erin O'Brien		
<b>Address Line 1:</b>	c/o Cooley Godward Kronish LLP		
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<b>Address Line 4:</b>	San Diego, CALIFORNIA 92121		
<b>ATTORNEY DOCKET NUMBER:</b>	194491-1194 TEKNOVUS		

**CH \$140.00 3191573**

NAME OF SUBMITTER:	Erin O'Brien
Signature:	/Erin O'Brien/
Date:	12/15/2008

**Total Attachments: 20**

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This **INTELLECTUAL PROPERTY SECURITY AGREEMENT** is entered into as of the Effective Date by and between **SILICON VALLEY BANK** ("Bank") and **TEKNOVUS, INC.**, a California corporation ("Grantor").

### RECITALS

**A.** Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated the Effective Date (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works to secure the obligations of Grantor under the Loan Agreement.

**B.** Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

### AGREEMENT

To secure its obligations under the Loan Agreement, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents, Trademarks and Mask Works listed on Schedules A, B, C, and D hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor:

1351 Redwood Way  
Petaluma, CA 94954

Attn: Haley Recio

Address of Bank:

3003 Tasman Drive  
Santa Clara, CA 95054-1191

Attn: \_\_\_\_\_

GRANTOR:

TEKNOVUS, INC.

By: Greg Caltabiano

Title: President & CEO

BANK:

SILICON VALLEY BANK

By: MSJ

Title: DTL

**EXHIBIT A  
COPYRIGHTS**

None.

**EXHIBIT B  
PATENTS**

<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg. Date</u>	<u>Title</u>	<u>Cnt</u>
TEK03-1002	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 9/15/2003 App. #: 10/663,608	Issued: 4/22/2008 Pat. #: 7,362,704 Expires: 5/10/2026	Title: METHOD AND APPARATUS FOR DYNAMICALLY ALLOCATING UPSTREAM BANDWIDTH IN PASSIVE OPTICAL NETWORKS	1
TEK03-1002CON	US Patent	US	TEK03-1002	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 4/18/2008 App. #: 12/105,536		Title: METHOD AND APPARATUS FOR DYNAMICALLY ALLOCATING UPSTREAM BANDWIDTH IN PASSIVE OPTICAL NETWORKS	2
TEK03-1003	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 11/6/2003 App. #: 10/703,359	Issued: 10/30/2007 Pat. #: 7,289,501 Expires: 4/26/2026	Title: METHOD AND APPARATUS FOR BANDWIDTH-EFFICIENT MULTICAST IN ETHERNET PASSIVE OPTICAL NETWORKS	3
TEK03-1003_CHINA	Foreign Patent	China	TEK03-1003	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 4/28/2006 App. #: 200480028796.6		Title: METHOD AND APPARATUS FOR BANDWIDTH-EFFICIENT MULTICAST IN ETHERNET PASSIVE OPTICAL NETWORKS	4
TEK03-1003_JAPAN	Foreign Patent	Japan	TEK03-1003	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 4/3/2006 App. #: 2006-537993		Title: METHOD AND APPARATUS FOR BANDWIDTH-EFFICIENT MULTICAST IN ETHERNET PASSIVE OPTICAL NETWORKS	5
TEK03-1003_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK03-1003	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 4/28/2006 App. #: 10-2006-7008218		Title: METHOD AND APPARATUS FOR BANDWIDTH-EFFICIENT MULTICAST IN ETHERNET PASSIVE OPTICAL NETWORKS	6
TEK03-1003-PCT	PCT	PCT	TEK03-1003	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/9/2004 App. #: PCT/US2004/0310 01		Title: METHOD AND APPARATUS FOR BANDWIDTH-EFFICIENT MULTICAST IN ETHERNET PASSIVE OPTICAL NETWORKS	7

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK03-1004	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 3/30/2004 App. #: 10/814,929		Title: METHOD AND APPARATUS FOR SWITCHING PACKETS OM A PASSIVE OPTICAL NETWORK	8
TEK03-1005	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 3/18/2004 App. #: 10/805,088	Issued: 1/22/2008 Pat. #: 7,321,597 Expires: 7/7/2026	Title: METHOD AND APPARATUS FOR REMOTE NETWORK MANAGEMENT OVER ETHERNET CONNECTIONS	9
TEK03-1005-PCT	PCT	PCT	TEK03-1005	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 1/19/2005 App. #: PCT/US05/03087		Title: Method and Apparatus for Remote Network Management over Ethernet Connections	10
TEK03-1006	US Patent	US	TEK03-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 1/16/2004 App. #: 10/758,895	Issued: 6/3/2008 Pat. #: 7,382,739 Expires: 12/6/2026	Title: METHOD AND APPARATUS FOR DISCOVERING REMOTE NODES IN AN ETHERNET PASSIVE OPTICAL NETWORK	11
TEK03-1006PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 1/23/2003 App. #: 60/440,963		Title: METHOD FOR DISCOVERY WINDOW ALLOCATION IN ETHERNET PASSIVE OPTICAL NETWORKS	12
TEK03-1007	US Patent	US	TEK03-1007PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 4/7/2004 App. #: 10/820,663		Title: METHOD AND APPARATUS FOR REDUCING DATA BURST OVERHEAD IN AN ETHERNET PASSIVE OPTICAL NETWORK	13
TEK03-1007_CHINA	Foreign Patent	China	TEK03-1007PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 8/4/2004 App. #: 200489018175.X		Title: Method and Apparatus for Reducing Data Burst Overhead in an Ethernet Passive Optical Network	14
TEK03-1007_JAPAN	Foreign Patent	Japan	TEK03-1007PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 1/12/2006 App. #: 2006-523880		Title: Method and Apparatus for Reducing Data Burst Overhead in an Ethernet Passive Optical Network	15
TEK03-1007_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK03-1007PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 2/16/2006 App. #: 10-200-7003186		Title: Method and Apparatus for Reducing Data Burst Overhead in an Ethernet Passive Optical Network	16
TEK03-1007CON	US Patent	US	TEK03-1007	Teknovus, Inc.(TEK) No Client Case No.	New		Title: No Title	17

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg. No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK03-1007-PCT	PCT	PCT	TEK03-1007PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 8/4/2004 App. #: PCT/US2004/0253 11		Title: Method and Apparatus for Reducing Data Burst Overhead in an Ethernet Passive Optical Network	18
TEK03-1007PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 8/18/2003 App. #: 60/495,649		Title: METHOD FOR TIMESLOT ALLOCATION TO REDUCE GUARD BAND OVERHEAD IN ETHERNET PASSIVE OPTICAL NETWORKS	19
TEK04-1001	US Patent	US	TEK04-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 5/21/2004 App. #: 10/850,738		Title: METHOD AND APPARATUS FOR REGISTERING MULTIPLE REMOTE NODES IN AN ETHERNET PASSIVE OPTICAL NETWORK	20
TEK04-1001_CHINA	Foreign Patent	China	TEK04-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 1/27/2006 App. #: 200480018623.6		Title: METHOD AND APPARATUS FOR REGISTERING MULTIPLE REMOTE NODES IN AN ETHERNET PASSIVE OPTICAL NETWORK	21
TEK04-1001_JAPAN	Foreign Patent	Japan	TEK04-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 1/12/2006 App. #: 2006-524752		Title: METHOD AND APPARATUS FOR REGISTERING MULTIPLE REMOTE NODES IN AN ETHERNET PASSIVE OPTICAL NETWORK	22
TEK04-1001_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK04-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 2/22/2006 App. #: 10-2006-7003603		Title: METHOD AND APPARATUS FOR REGISTERING MULTIPLE REMOTE NODES IN AN ETHERNET PASSIVE OPTICAL NETWORK	23
TEK04-1001-PCT	PCT	PCT	TEK04-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 8/19/2004 App. #: PCT/US2004/0270 93		Title: Method and Apparatus for Registering Multiple Remote Nodes in an Ethernet Passive Optical Network	24

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK04-1001PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 8/26/2003 App. #: 60/497,679		Title: Method and Procedure for Registering Multiple Virtual Optical Network Terminals Located in One Physical Optical Network Terminal	25
TEK04-1002	US Patent	US	TEK04-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 8/30/2004 App. #: 10/930,336	Issued: 10/14/2008 Pat. #: 7,436,765 Expires: 7/28/2026	Title: METHOD AND APPARATUS FOR DYNAMICALLY ALLOCATING UPSTREAM BANDWIDTH IN PASSIVE OPTICAL NETWORKS	26
TEK04-1002-PCT	PCT	PCT	TEK04-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/1/2004 App. #: PCT/US2004/028500		Title: METHOD AND APPARATUS FOR DYNAMICALLY ALLOCATING UPSTREAM BANDWIDTH IN PASSIVE OPTICAL NETWORKS	27
TEK04-1002PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 9/3/2003 App. #: 60/499,465		Title: METHOD AND APPARATUS FOR SOFTWARE-CONTROLLED DYNAMIC BANDWIDTH ALLOCATION IN EPON	28
TEK04-1003	US Patent	US	TEK04-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 6/12/2004 App. #: 10/866,399	Issued: 12/19/2006 Pat. #: 7,152,199 Expires: 2/13/2025	Title: METHOD AND APPARATUS FOR DELINEATING DATA IN AN FEC-CODED ETHERNET FRAME	29
TEK04-1003_CHINA	Foreign Patent	China	TEK04-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 5/18/2007 App. #: 200580016821.3		Title: METHOD AND APPARATUS FOR DELINEATING DATA IN AN FEC-CODED ETHERNET FRAME	30
TEK04-1003_JAPAN	Foreign Patent	Japan	TEK04-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/31/2006 App. #: 2007-515182		Title: METHOD AND APPARATUS FOR DELINEATING DATA IN AN FEC-CODED ETHERNET FRAME	31
TEK04-1003_PCT	PCT	PCT	TEK04-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 5/18/2005 App. #: PCT/US05/17476		Title: Method and Apparatus for Delineating Data in an FEC-Coded Ethernet Frame	32

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK04-1003PSP 1003_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK04-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 11/6/2006 App. #: 10-2006-7023217		Title: METHOD AND APPARATUS FOR DELINEATING DATA IN AN FEC-CODED ETHERNET FRAME	33
TEK04-1003PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 6/2/2004 App. #: 60/576,751		Title: Method and Apparatus for Delineating Date in an FEC-Coded Ethernet Frame	34
TEK04-1004	US Patent	US	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 8/23/2004 App. #: 10/925,175	Issued: 11/22/2005 Pat. #: 6,967,949 Expires: 8/23/2024	Title: METHOD AND APPARATUS FOR FORWARDING PACKETS IN AN ETHERNET PASSIVE OPTICAL NETWORK	35
TEK04-1004_CHINA	Foreign Patent	China	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 2/10/2006 App. #: 200480020133.X		Title: METHOD AND APPARATUS FOR FORWARDING PACKETS IN AN ETHERNET PASSIVE OPTICAL NETWORK	36
TEK04-1004_JAPAN	Foreign Patent	Japan	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 1/20/2006 App. #: 2006-526190		Title: METHOD AND APPARATUS FOR FORWARDING PACKETS IN AN ETHERNET PASSIVE OPTICAL NETWORK	37
TEK04-1004_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 2/27/2006 App. #: 10-2006-7003935		Title: METHOD AND APPARATUS FOR FORWARDING PACKETS IN AN ETHERNET PASSIVE OPTICAL NETWORK	38
TEK04-1004-PCT	PCT	PCT	TEK04-1004PSP2	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/2/2004 App. #: PCT/US2004/028718		Title: METHOD AND APPARATUS FOR FORWARDING PACKETS IN AN ETHERNET PASSIVE OPTICAL NETWORK	39
TEK04-1004PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 9/15/2003 App. #: 60/502,412		Title: METHOD FOR VLAN TRANSLATION IN ETHERNET POINT-TO-MULTIPOINT NETWORK	40

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK04-1004PSP1	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 4/28/2004 App. #: 60/566,517		Title: METHOD FOR VLAN MAPPING TO SUPPORT TRIPLE-PLAY SERVICES IN ETHERNET PASSIVE OPTICAL NETWORKS	41
TEK04-1004PSP2	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 5/13/2004 App. #: 60/570,928		Title: METHOD FOR SERVICE DIFFERENTIATION IN EPON USING ONU-BASED DATA CLASSIFICATION	42
TEK04-1005	US Patent	US	TEK04-1005PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 8/12/2004 App. #: 10/918,668		Title: METHOD AND APPARATUS FOR MULTIPLEXING ETHERNET CHANNELS	43
TEK04-1005-PCT	PCT	PCT	TEK04-1005PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 8/12/2004 App. #: PCT/US2004/0265	63	Title: METHOD AND APPARATUS FOR MULTIPLEXING ETHERNET CHANNELS	44
TEK04-1005PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 8/12/2003 App. #: 60/494,106		Title: METHOD AND APPARATUS FOR MULTIPLEXING MULTIPLE ETHERNET CHANNELS INTO A SINGLE ETHERNET LINK	45
TEK04-1005PSP2	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 8/12/2004 App. #: 60/494,107		Title: METHOD FOR EMBEDDING MARKING INFORMATION TO ENABLE MULTIPLEXING MULTIPLE ETHERNET CHANNELS INTO A SINGLE ETHERNET LINK	46
TEK04-1006	US Patent	US	TEK04-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/14/2004 App. #: 10/941,356		Title: METHOD AND APPARATUS FOR TRANSMISSION CONTROL IN AN ETHERNET PASSIVE OPTICAL NETWORK	47
TEK04-1006_CHINA	Foreign Patent	China	TEK04-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 2/17/2006 App. #: 200480020134.4		Title: METHOD AND APPARATUS FOR TRANSMISSION CONTROL IN AN ETHERNET PASSIVE OPTICAL NETWORK	48

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK04-1006-JAPAN	Foreign Patent	Japan	TEK04-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 1/18/2006 App. #: 2006-526432		Title: METHOD AND APPARATUS FOR TRANSMISSION CONTROL IN AN ETHERNET PASSIVE OPTICAL NETWORK	49
TEK04-1006-REPUB OF KOREA	Foreign Patent	Republic of Korea	TEK04-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 2/16/2006 App. #: 10-2006-7003189		Title: METHOD AND APPARATUS FOR TRANSMISSION CONTROL IN AN ETHERNET PASSIVE OPTICAL NETWORK	50
TEK04-1006-PCT	PCT	PCT	TEK04-1006PSP1	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/14/2004 App. #: PCT/US2004/030365		Title: METHOD AND APPARATUS FOR TRANSMISSION CONTROL IN AN ETHERNET PASSIVE OPTICAL NETWORK	51
TEK04-1006PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 9/15/2003 App. #: 60/502,856		Title: METHOD FOR LASER CONTROL IN ETHERNET PASSIVE OPTICAL NETWORKS	52
TEK04-1006PSP1	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 9/23/2003 App. #: 60/504,936		Title: METHOD AND APPARATUS FOR TRANSMISSION CONTROL IN ETHERNET PASSIVE OPTICAL NETWORKS	53
TEK05-1001	US Patent	US	TEK05-1001PSP1	Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 3/10/2005 App. #: 11/078,923	Issued: 3/25/2008 Pat. #: 7,349,537 Expires: 6/10/2025	Title: METHOD FOR DATA ENCRYPTION IN AN ETHERNET PASSIVE OPTICAL NETWORK	54
TEK05-1001-PCT	PCT	PCT	TEK05-1001	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 3/10/2005 App. #: PCT/US05/008150		Title: METHOD FOR DATA ENCRYPTION IN AN ETHERNET PASSIVE OPTICAL NETWORK	55
TEK05-1001PSP	US Patent	US	TEK05-1001PSP1	Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 6/14/2004 App. #: 60/579,449		Title: METHOD FOR DATA ENCRYPTION IN ETHERNET PASSIVE OPTICAL NETWORK	56
TEK05-1001PSP1	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 3/11/2004 App. #: 60/552,152		Title: METHOD FOR DATA ENCRYPTION IN ETHERNET PASSIVE OPTICAL NETWORK	57

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg. No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK05-1001PSP2	US Patent	US	TEK05-1001PSP1	Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 4/27/2004 App. #: 60/565,882		Title: METHOD FOR DATA ENCRYPTION IN ETHERNET PASSIVE OPTICAL NETWORK	58
TEK05-1002	US Patent	US	TEK05-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Issued Filed: 4/26/2005 App. #: 11/115,753	Issued: 10/28/2008 Pat. #: 7,443,850 Expires: 11/11/2026	Title: METHOD FOR L3-AWARE SWITCHING IN ETHERNET PASSIVE OPTICAL NETWORKS	59
TEK05-1002_CHINA	Foreign Patent	China	TEK05-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending		Title: METHOD FOR L3-AWARE SWITCHING IN ETHERNET PASSIVE OPTICAL NETWORKS	60
TEK05-1002_JAPAN	Foreign Patent	Japan	TEK05-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending		Title: METHOD FOR L3-AWARE SWITCHING IN ETHERNET PASSIVE OPTICAL NETWORKS	61
TEK05-1002_PCT	PCT	PCT	TEK05-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 4/28/2005 App. #: PCT/US2005/0143 66		Title: METHOD FOR L3-AWARE SWITCHING IN ETHERNET PASSIVE OPTICAL NETWORKS	62
TEK05-1002_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK05-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/26/2006 App. #: 10-2006-7019875		Title: METHOD FOR L3-AWARE SWITCHING IN ETHERNET PASSIVE OPTICAL NETWORKS	63
TEK05-1002PSP	US Patent	US	TEK05-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 4/28/2004 App. #: 60/566,537		Title: METHOD FOR L3-AWARE SWITCHING IN ETHERNET PASSIVE OPTICAL NETWORKS	64
TEK05-1003	US Patent	US	TEK05-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 6/28/2006 App. #: 11/478,492		Title: METHOD AND SYSTEM FOR ACCOMMODATING DIFFERENT CLOCK FREQUENCIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	65
TEK05-1003_CHINA	Foreign Patent	China	TEK05-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 12/28/2007 App. #: 200680023651.6		Title: METHOD AND SYSTEM FOR ACCOMMODATING DIFFERENT CLOCK FREQUENCIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	66

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK05-1003_JAPAN	Foreign Patent	Japan	TEK05-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 4/25/2008 App. #: 2008-519537		Title: METHOD AND SYSTEM FOR ACCOMMODATING DIFFERENT CLOCK FREQUENCIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	67
TEK05-1003_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK05-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 11/29/2007 App. #: 2007-7027800		Title: METHOD AND SYSTEM FOR ACCOMMODATING DIFFERENT CLOCK FREQUENCIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	68
TEK05-1003PC	PCT	PCT	TEK05-1003PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 6/27/2006 App. #: PCT/US06/025263		Title: METHOD FOR ACCOMMODATING DIFFERENT CLOCK FREQUENCIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	69
TEK05-1003PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 6/29/2005 App. #: 60/695,795		Title: METHOD FOR ACCOMMODATING DIFFERENT CLOCK FREQUENCIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	70
TEK05-1004	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Abandoned Filed: 5/16/2005 App. #: 11/130,731	Abandoned: 7/11/2008	Title: METHOD AND APPARATUS FOR ACCOMMODATING MULTIPLE OPTICAL SEGMENTS IN AN ETHERNET PASSIVE OPTICAL NETWORK Notes: File in Japan, Korea, China and Taiwan	71
TEK05-1004_CHINA	Foreign Patent	China	TEK05-1004	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/30/2007 App. #: 200680014426.6		Title: METHOD AND APPARATUS FOR ACCOMMODATING MULTIPLE OPTICAL SEGMENTS IN AN ETHERNET PASSIVE OPTICAL NETWORK	72

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK05-1004_JAPAN	Foreign Patent	Japan	TEK05-1004	Teknovus, Inc.(TEK) No Client Case No.	Pending		Title: METHOD AND APPARATUS FOR ACCOMMODATING MULTIPLE OPTICAL SEGMENTS IN AN ETHERNET PASSIVE OPTICAL NETWORK	73
TEK05-1004_PCT	PCT	PCT	TEK05-1004	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 3/8/2006 App. #: PCT/US06/08754		Title: METHOD AND APPARATUS FOR ACCOMMODATING MULTIPLE OPTICAL SEGMENTS IN AN ETHERNET PASSIVE OPTICAL NETWORK	74
TEK05-1004_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK05-1004	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/7/2007 App. #: 10-2007-7020444		Title: METHOD AND APPARATUS FOR ACCOMMODATING MULTIPLE OPTICAL SEGMENTS IN AN ETHERNET PASSIVE OPTICAL NETWORK	75
TEK05-1004_TAIWAN N	Foreign Patent	Taiwan	TEK05-1004	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 3/14/2006 App. #: 95108611		Title: METHOD AND APPARATUS FOR ACCOMMODATING MULTIPLE OPTICAL SEGMENTS IN AN ETHERNET PASSIVE OPTICAL NETWORK	76
TEK05-1005	US Patent	US	TEK04-1004	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/8/2005 App. #: 11/223,487		Title: METHOD AND APPARATUS FOR FACILITATING DIFFERENTIATED SERVICE QUALITIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	77
TEK05-1005_CHINA	Foreign Patent	China	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 3/7/2008 App. #: 200680032877.2		Title: METHOD AND APPARATUS FOR FACILITATING DIFFERENTIATED SERVICE QUALITIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	78
TEK05-1005_JAPAN	Foreign Patent	Japan	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 3/6/2008 App. #: 2008-529982		Title: METHOD AND APPARATUS FOR FACILITATING DIFFERENTIATED SERVICE QUALITIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	79

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK05-1005_PCT	PCT	PCT	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 6/27/2006 App. #: PCT/US06/025123		Title: METHOD AND APPARATUS FOR FACILITATING DIFFERENTIATED SERVICE QUALITIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	80
TEK05-1005_REPUB_LIC_OF_KOR_EA	Foreign Patent	Republic of Korea	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 2/4/2008 App. #: 10-2008-7002875		Title: METHOD AND APPARATUS FOR FACILITATING DIFFERENTIATED SERVICE QUALITIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	81
TEK05-1005_TAIWAN	Foreign Patent	Taiwan	TEK04-1004PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 7/10/2006 App. #: 9512123		Title: METHOD AND APPARATUS FOR FACILITATING DIFFERENTIATED SERVICE QUALITIES IN AN ETHERNET PASSIVE OPTICAL NETWORK	82
TEK05-1006	US Patent	US	TEK05-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/16/2005 App. #: 11/228,879		Title: METHOD AND APPARATUS FOR FACILITATING ASYMMETRIC LINE RATES IN AN ETHERNET PASSIVE OPTICAL NETWORK	83
TEK05-1006_CHINA	Foreign Patent	China	TEK05-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 1/10/2008 App. #: 200680025186.X		Title: METHOD AND APPARATUS FOR FACILITATING ASYMMETRIC LINE RATES IN AN ETHERNET PASSIVE OPTICAL NETWORK	84
TEK05-1006_JAPAN	Foreign Patent	Japan	TEK05-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 1/9/2008 App. #: 2008-521385		Title: METHOD AND APPARATUS FOR FACILITATING ASYMMETRIC LINE RATES IN AN ETHERNET PASSIVE OPTICAL NETWORK	85
TEK05-1006_PCT	PCT	PCT	TEK05-1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 5/23/2006 App. #: PCT/US06/020513		Title: METHOD AND APPARATUS FOR FACILITATING ASYMMETRIC LINE RATES IN AN ETHERNET PASSIVE OPTICAL NETWORK	86

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK05-1006 1006 REPUB LIC_OF KOR EA	Foreign Patent	Republic of Korea	TEK05- 1006PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 12/14/2007 App. #: 10-2007- 7029239		Title: METHOD AND APPARATUS FOR FACILITATING ASYMMETRIC LINE RATES IN AN ETHERNET PASSIVE OPTICAL NETWORK	87
TEK05-1006PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 7/15/2005 App. #: 60/700,005		Title: METHOD AND APPARATUS FOR ETHERNET PASSIVE OPTICAL NETWORK WITH ASYMMETRIC UPSTREAM AND DOWNSTREAM LINE RATES	88
TEK05-1007 1007_PCT	US Patent PCT	US PCT	TEK05- 1007PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 3/20/2006 App. #: 11/385,431		Title: METHOD AND APPARATUS FOR ACCOMMODATING TDM TRAFFIC IN AN ETHERNET PASSIVE OPTICAL NETWORK	89
TEK05-1007PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Abandoned Filed: 10/12/2006 App. #: PCT/US2006/3984 1		Title: METHOD AND APPARATUS FOR ACCOMMODATING TDM TRAFFIC IN AN ETHERNET PASSIVE OPTICAL NETWORK	90
TEK06-1001 1001_CHINA	US Patent Foreign Patent	US China	TEK06- 1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 12/19/2005 App. #: 60/751,837		Title: METHOD AND APPARATUS FOR ACCOMMODATING TDM TRAFFIC IN AN ETHERNET PASSIVE OPTICAL NETWORK	91
TEK06-1001_JAPAN	US Patent Foreign Patent	US Japan	TEK06- 1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 5/9/2006 App. #: 11/431,342		Title: METHOD AND SYSTEM FOR MITIGATING RAMAN CROSSTALK IN AN ETHERNET PASSIVE OPTICAL NETWORK	92
TEK06-1001	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/30/2007 App. #: 200680014428.5		Title: METHOD AND SYSTEM FOR MITIGATING RAMAN CROSSTALK IN AN ETHERNET PASSIVE OPTICAL NETWORK	93
TEK06-1001	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending		Title: METHOD AND SYSTEM FOR MITIGATING RAMAN CROSSTALK IN AN ETHERNET PASSIVE OPTICAL NETWORK	94

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK06-1001_PCT	PCT	PCT	TEK06-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 5/10/2006 App. #: PCT/US06/18294		Title: METHOD AND SYSTEM FOR MITIGATING RAMAN CROSSTALK IN AN ETHERNET PASSIVE OPTICAL NETWORK	95
TEK06-1001_PCT_C HINA	Foreign Patent	China	TEK06-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending		Title: METHOD AND SYSTEM FOR MITIGATING RAMAN CROSSTALK IN AN ETHERNET PASSIVE OPTICAL NETWORK	96
TEK06-1001_PCT_JA PAN	Foreign Patent	Japan	TEK06-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending		Title: METHOD AND SYSTEM FOR MITIGATING RAMAN CROSSTALK IN AN ETHERNET PASSIVE OPTICAL NETWORK	97
TEK06-1001_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK06-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/4/2007 App. #: 2007-7022625		Title: METHOD AND SYSTEM FOR MITIGATING RAMAN CROSSTALK IN AN ETHERNET PASSIVE OPTICAL NETWORK	98
TEK06-1001PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Expired Filed: 5/13/2005 App. #: 60/680,807		Title: METHOD AND APPARATUS FOR MITIGATION OF RAMAN CROSSTALK IN EPON	99
TEK06-1002	US Patent	US	TEK06-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 12/21/2006 App. #: 11/644,562		Title: SMALL FORM FACTOR, PLUGGABLE ONU	100
TEK06-1002_CHINA	Foreign Patent	China	TEK06-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 12/21/2006 App. #: 200680044215.7		Title: SMALL FORM FACTOR, PLUGGABLE ONU	101
TEK06-1002_EPO	Foreign Patent	EPO	TEK06-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 6/3/2008 App. #: 06847922.9		Title: SMALL FORM FACTOR, PLUGGABLE ONU	102
TEK06-1002_JAPAN	Foreign Patent	Japan	TEK06-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending		Title: SMALL FORM FACTOR, PLUGGABLE ONU	103
TEK06-1002_PCT	PCT	PCT	TEK06-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 12/21/2006 App. #: PCT/US06/48818		Title: SMALL FORM FACTOR, PLUGGABLE ONU	104

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK06-1002PSP 1002_REPUB LIC_OF_KOR EA	Foreign Patent	Republic of Korea	TEK06-1002PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 6/16/2008 App. #: 10-2008-7014486		Title: SMALL FORM FACTOR PLUGGABLE ONU	105
TEK06-1002PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 12/30/2005 App. #: 60/755,894		Title: EPON ONU INTERGATED IN GBIC MODULES	106
TEK08-1001PCT	PCT	PCT	TEK08-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/18/2008 App. #: PCT/US08/76884		Title: IN-WALL OPTICAL NETWORK UNIT	107
TEK08-1001PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/1/2007 App. #: 60/976,707		Title: Tek filed this and wants us to send FF reminders IN-WALL OPTICZL NETWORK UNIT (docket TEK-0907-1P)	108
TEK08-1001PSP_TAI WAN	Foreign Patent	Taiwan	TEK08-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	New		Title: Tek filed this and wants us to send FF reminders IN-WALL OPTICZL NETWORK UNIT (docket TEK-0907-1P)	109
TEK08-1001US	US Patent	US	TEK08-1001PSP	Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 9/15/2008 App. #: 12/210,744		Title: IN-WALL OPTICAL NETWORK UNIT	110
TEK08-1003PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 4/21/2008 App. #: 61/046,654		Title: METHOD AND APPARATUS FOR DATA PRIVACY IN PASSIVE OPTICAL NETWORKS	111
TEK08-1004PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/21/2008 App. #: 61/107,251		Title: PROTECTION SWITCHING IN PASSIVE OPTICAL NETWORKS	112
TEK08-1005PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/21/2008 App. #: 61/107,255		Title: OPTICAL MONITORING IN PASSIVE OPTICAL NETWORKS	113
TEK08-1006PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/21/2008 App. #: 61/107,256		Title: SUPPORTING TDM TRAFFIC IN PASSIVE OPTICAL NETWORKS	114

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<u>Case Number</u>	<u>Case Type</u>	<u>Country</u>	<u>Priority Case Number</u>	<u>Client Name, Client Case #</u>	<u>Status, Filing Date, App. Serial No.</u>	<u>Pat/Reg No., Issue/Reg Date</u>	<u>Title</u>	<u>Cnt</u>
TEK08-1007PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/21/2008 App. #: 61/107,258		Title: SUPPORTING MULTI-DWELLING UNITS IN PASSIVE OPTICAL NETWORKS	115
TEK08-1008PSP	US Patent	US		Teknovus, Inc.(TEK) No Client Case No.	Pending Filed: 10/21/2008 App. #: 61/107,263		Title: PASSIVE OPTICAL NETWORK EXTENDER	116
	US Patent	US				6,775,300	Title: CLOCK DISTRIBUTION IN A COMMUNICATIONS NETWORK	117
	US Patent	US				6,768,429	Title: MULTIPLEXING AN ADDITIONAL BIT STREAM WITH A PRIMARY BIT STREAM WITH CONVERSION BETWEEN QB/RB AND XB/YB ENCODED BIT STREAMS	118
	US Patent	US				6,624,763	Title: MULTIPLEXING AN ADDITIONAL BIT STREAM WITH A PRIMARY BIT STREAM	119

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**EXHIBIT C  
TRADEMARKS**

United States Trademarks:

<u>Description</u>	<u>Registration / Serial Number</u>	<u>Registration/Application Date</u>
TEKNOVUS	3,191,573	01/02/07
ETHERNETPLUS	2,918,779	01/18/05
TURBO-EPON	77/228,566	07/12/07
TEKNOVUS	77/565,704	09/09/08
TEKNOVUS ACCESS THE FUTURE	77/565,700	09/09/08

Foreign Trademarks:

<u>Description</u>	<u>Country</u>	<u>Class of Goods</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
TEKNOVUS	China (Peoples Republic)	09		12-Sep-08	Pending
TEKNOVUS	India	09	T21,900	19-Sep-08	Pending
TEKNOVUS	Japan	09	2008/074,634	11-Sep-08	Pending
TEKNOVUS	Korea, Republic of	09	40-2008- 0,044,136	11-Sep-08	Pending
TEKNOVUS	Russian Federation	09		15-Sep-08	Pending

**EXHIBIT D  
MASK WORKS**

None.

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