

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY
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CONVEYING PARTY DATA	
Name	Execution Date
The Bank of New York	01/01/2004

RECEIVING PARTY DATA	
Name:	Avaya Technology Corporation
Street Address:	211 Mount Airy Road
City:	Basking Ridge
State/Country:	NEW JERSEY
Postal Code:	07920

PROPERTY NUMBERS Total: 390

Property Type	Number
Patent Number:	4796150
Patent Number:	4861278
Patent Number:	4873393
Patent Number:	4880396
Patent Number:	4988311
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Patent Number:	5186647

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Patent Number:	6452094

CORRESPONDENCE DATA

Fax Number: (828)431-2520
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 800-982-1708
Email: lthomas@commscope.com
Correspondent Name: Laura Thomas
Address Line 1: 1100 CommScope Place, SE
Address Line 4: Hickory, NORTH CAROLINA 28602

NAME OF SUBMITTER:	Laura Thomas
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Total Attachments: 22

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RELEASE OF SECURITY INTEREST

This RELEASE OF SECURITY INTEREST (this "Release"), dated as of January 1, 2004, is made by The Bank of New York (the "Collateral Trustee"), as Collateral Trustee for the Secured Holders, in favor of Avaya Inc. ("Avaya"), Avaya Technology Corp. ("Avaya Technology"), and Avaya Integrated Cabinet Solutions Inc. ("Avaya Cabinet") (collectively, the "Releasees").

WHEREAS, Avaya, a Delaware corporation, entered into a Collateral Trust Agreement, dated as of March 25, 2002 (as amended, amended and restated, supplemented or otherwise modified time to time, the "Collateral Trust Agreement"), with certain other Grantor parties thereto, and the Collateral Trustee. All capitalized terms used herein, but not otherwise defined herein, shall have their respective meanings defined in the Collateral Trust Agreement.

WHEREAS, the Grantors and certain other Persons executed and delivered to the Collateral Trustee that certain Security Agreement, dated March 25, 2002 ("Security Agreement"), pursuant to which the Grantors and such other Persons granted a security interest in, among other things, certain U.S. patents and patent applications and U.S. trademark registrations and applications for registration owned by the Grantors in favor of the Collateral Trustee for the Shared Benefit of the Secured Holders. Such U.S. patents and patent applications are identified in Schedule A attached hereto (the "Released Patents"), and such U.S. trademark registrations and applications for registration are identified in Schedule B attached hereto (the "Released Trademarks").

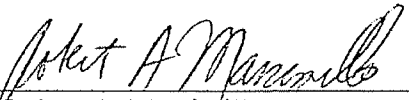
WHEREAS, reference is hereby made to that certain Amended and Restated Five Year Revolving Credit Agreement, dated as of April 30, 2003 by and between Avaya, Citibank, N.A. (the "Agent"), the Collateral Trustee and the Banks (as defined therein) party thereto, pursuant to which the Agent and the Collateral Trustee have agreed, among other things, to release the security interest granted by Releasees to the Collateral Trustee in the Released Patents and the Released Trademarks.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

1. The Collateral Trustee hereby releases to the Releasees, without covenant or warranty, express or implied, of any kind and without recourse to it, all of the Collateral Trustee's security interest in all of the Releasees' respective right, title and interest in and to the Released Patents and the Released Trademarks.
2. This Release is limited only to the security interest in the Released Patents and the Released Trademarks granted by the Releasees pursuant to the Security Agreement. This Release does not release the Collateral Trustee's security interest in and to any other Collateral pursuant to the Loan Documents, nor does it release the Grantor's obligations therein.

IN WITNESS WHEREOF, the Collateral Trustee has caused this Release to be executed by its duly authorized representative on the dated first referenced above.

THE BANK OF NEW YORK
as Collateral Trustee

By: 
Name: Robert A. Massimillo
Title: Vice President

SCHEDULE A

U.S. Patents and Patent Applications (Avaya Technology Corp.)

ISSUED PATENTS:

Case Name	Filed	Issued	US Patent	Title
Kwilos 2	7/15/85	10/21/86	4,618,194	Connecting block for digital system cross-connect frame
McGonigal 12	10/30/84	1/27/87	4,638,559	Methods of and apparatus for making slotted beam contact elements
Scalera 3	6/21/85	2/3/87	4,641,218	Protector with Circuit Disabler
Benda 2-1-3-2	7/7/86	3/17/87	4,650,933	Jack and Test Plug
Blackwood 1-2-1	9/22/86	2/16/88	4,725,249	Connector Assembly
Amein 1-1-2-4-14-2	12/19/86	4/5/88	4,736,269	Voltage surge limiter with grounding assembly
Dickey 9-5	10/2/87	1/3/89	4,796,150	Telecommunication protector unit with pivotal surge protector
McBride 1-25	4/26/88	8/29/89	4,861,278	Connector for drop wire and other conductors
Friesen 6-15	3/21/88	10/10/89	4,873,393	Local Area Network Cabling Arrangement
Lipari 5	6/16/88	11/14/89	4,880,396	Coaxial Connector
Tanzola 2	12/7/89	1/29/91	4,988,311	Terminal Blocks
Daoud 1	8/28/89	4/2/91	5,004,433	Interconnection Device
Bleich 2-2-3	10/30/89	6/18/91	5,024,864	Methods of and apparatus for making an insulated transmission medium
Arnett 5	8/20/90	8/20/91	5,041,018	Electrical Connector Receptacle
Connole 4-1-2-1-4-1-5	3/28/90	8/27/91	5,043,539	Bonded sheath cable having enhanced resistance to jacket splitting
Arnett 7	8/28/91	3/17/92	5,096,439	Wall Plate Having Jack-Release Slots
Arnett 6-1-1	7/26/91	3/17/92	5,096,442	Compact Electrical Connector
Petrunia 2	5/30/91	7/7/92	5,129,030	Movable Lightguide Connector Panel
Bass 1	1/31/91	9/29/92	5,150,789	Package of elongated strand material and carton blank thereof
Adriaenssens 2-4-9-20	7/31/91	11/10/92	5,162,609	Fire-resistant cable for transmitting high frequency signals
Denkmann 4-3-5	2/24/92	2/16/93	5,186,647	High Frequency Electrical Connector
Fortner 3-6-2-2-2-3-9	4/30/92	2/16/93	5,186,649	Modular Plug Having Enhanced Cordage Strain Relief Provisions
Bleich 4-18-5	6/28/91	2/16/93	5,187,329	Twisted pairs of insulated metallic conductors for transmitting high frequency signals
Baker 1-2-1	4/27/92	6/29/93	5,222,908	Bridge Assembly
Baker 2-1-5-4-2-6	8/6/92	7/13/93	5,226,835	Patch Plug for Cross-Connect Equipment
Arnett 8	6/11/92	8/24/93	5,238,426	Universal patch Panel for Communications Use in Buildings
Muller 1-1	5/22/92	9/14/93	5,244,408	Terminal Housing

Case Name	Filed	Issued	US Patent	Title
Arnett 9	4/2/93	4/12/94	5,302,140	Connector with Mounting Collar for Use in Universal patch Panel Systems
Daoud 4	12/9/92	5/17/94	5,312,266	Tamperproof Interconnection Apparatus
Bleich 6-21-7	11/16/92	5/24/94	5,314,712	Method of making twisted pairs of insulated metallic conductors for transmitting high frequency signals
Georger 3	6/28/93	11/8/94	5,363,068	Autotransformer capable of passing a DC signal as well as a balanced output signal
Georger 1-1	9/11/92	11/22/94	5,367,273	Adapter for Video and Audio Transmission
Daoud 6	12/14/93	12/6/94	5,370,547	Hasp Mechanism
Georger 2	3/26/93	2/14/95	5,389,900	Adapter for transmission of color components on separate twisted wire pairs
Conte 1-4	6/29/94	5/30/95	5,420,551	Circuit for Broadband Video Transmission Over Unshielded Twisted Wire Pairs
Laukzemis 2	8/30/93	8/8/95	5,439,395	DSX Jack
Rutkowski 2	6/23/94	12/19/95	5,476,388	Connector block
Daoud 8	9/26/94	1/30/96	5,487,675	Integrated Protector and Modular Jack
Arnett 12	10/31/94	3/26/96	5,501,617	Insulation Displacement Connector Insertion Cap
DeBalko 7-1-1-2	11/23/94	5/7/96	5,515,435	Network interface device with apertures for holding flexible coaxial cable connector
Bass 2-1	6/10/94	5/28/96	5,520,347	One-Piece Reelex Payout Tube
Friesen 10-1-1	12/20/94	7/30/96	5,541,361	Indoor communication cable
Baggett 2-2-2-3-1-2-9	5/17/95	8/27/96	5,549,489	Connector Module with Test and Jumper Access
Daoud 7	7/18/94	8/27/96	5,550,916	Telecommunications Equipment Terminal
Baggett 1-1-1-1-1-8	5/17/95	11/19/96	5,575,689	Connector Modules
Bleich 9-11-1-8	2/3/95	11/19/96	5,576,515	Fire Resistant Cable for Use in Local Area Networks
Braun 1-2-2-11	5/17/95	1/21/97	5,595,507	Mounting Bracket and Ground bar for a Connector Block
Figueiredo 4-5	6/30/95	1/21/97	5,596,475	Protector Device
Bleich 8-7-9	11/4/94	2/4/97	5,600,097	Fire resistant cable for use in local area network
Conorich 2-2	5/17/95	4/8/97	5,618,199	Connector Module Including Condensation Protection
Baggett 4-2-5-3-3-1-13	5/17/95	4/22/97	5,622,516	Insulation Displacement Terminal with Two-Wire Insertion Capability
Figueiredo 6-7-15	7/14/95	5/6/97	5,627,721	Protector Cartridge for Modular Connector Blocks
Rutkowski 3-7-1	12/23/94	6/17/97	5,639,261	Modular cross-connect system
Figueiredo 3-3-3-4-2-12	5/17/95	7/1/97	5,643,014	Mounting of Protectors in Connector Blocks
Daoud 15	6/21/96	9/23/97	5,669,106	Hinge Mechanism
Duong 1-5	3/6/96	11/18/97	5,688,169	Electrical Equipment Cabinet Cooling
Bleich 13-15	10/13/95	11/18/97	5,689,090	Fire Resistant non-Halogen Riser Cable
Bainbridge 3-1-4-3-2	12/11/95	12/16/97	5,697,840	Electronics Cabinet with Vent
Pharney 3-8	9/6/96	12/23/97	5,700,167	Connector Cross-Talk Compensation
Conorich 5-8-1	6/21/96	2/10/98	5,716,237	Electrical Connector with Crosstalk Compensation

Case Name	Filed	Issued	US Patent	Title
Figueiredo 5-6	7/3/95	2/17/98	5,718,593	Polarity Sensitive protector Device
Conorich 4-7	3/13/96	2/17/98	5,718,604	Patch Cord Connection System
Daoud 17	9/6/96	2/24/98	5,721,396	Building Cable Entrance Terminal
Bernstein 8-1	2/22/96	3/17/98	5,729,370	Method for Upgrading a Communications Network
Baker 3-3-3-5-6-2	3/12/96	3/31/98	5,733,140	Connecting Block and Patch Cord Combination
Daoud 9	9/14/95	4/14/98	5,740,004	Small Pair Connector Building Entrance Protector
Daoud 12	8/13/96	4/21/98	5,740,685	Security Mechanism for a Network Interface Unit
DeBalko 13	5/29/96	5/12/98	5,751,534	Coaxial Cable Surge Protector
Daoud 18	8/13/96	8/11/98	5,791,701	Security Latch Mechanism
Daoud 19	9/19/96	9/8/98	5,803,292	Uniform Building Entrance Protector Housing Construction with Expandable Splice Chamber
Curtis 1-1-4	5/17/95	9/8/98	5,805,404	Common Insulating Housing for Elements of Varying Terminals
Arnett 25	4/15/97	9/15/98	5,807,133	Insulation Displacement Connector
Baggett 3-3-10	5/17/95	10/6/98	5,816,854	Mounting Bracket for Connector Block
Daoud 5Re	7/19/96	10/20/98	RE35929	Multilayered Type Network Interface Unit
Mistry 2-1	8/6/97	11/10/98	5,832,988	Heat Enclosure for Outdoor Equipment Enclosures
Alden 8-16-1	9/13/96	11/24/98	D401568	Cover for an Electronic and/or Optical Equipment Enclosure
Daoud 11-8	7/31/96	12/1/98	5,844,785	Protector Device with Isolated Ground Connector
Savicki 12	8/1/97	1/19/99	5,861,783	Crosstalk Reduction In Parasitically Coupled Circuits With An RC Network Connecting Circuit Grounds
Daoud 23	8/29/97	2/9/99	5,868,362	Latching mechanism for back-to-back mounting
Aponte 2-4-1-14	10/10/97	3/16/99	5,882,217	Coaxial Jack with An Internal Switch Mechanism
Davis 3-4-9	3/11/97	3/23/99	5,885,110	Snap Together Spring Block and Method
Daoud 13	9/9/96	3/23/99	5,886,298	Apparatus for Mounting Cables
Clark 3	1/26/98	3/30/99	5,887,333	Insulation Displacement Contact Wire Insertion Tool
Arnett 26	5/30/97	4/27/99	5,897,395	Multi-Position Jack Frame
Daoud 28	8/29/97	5/25/99	5,907,127	Enclosure for telecommunications applications having a configurable mounting plane
Daoud 45	3/19/98	6/1/99	5,908,180	Symmetrical cable bracketing and strain relieving mechanism and method
Kane 10	12/3/97	6/1/99	5,909,351	2-Element Gas Tube Thermal Overload/Backup Gap
Daoud 25	8/29/97	6/8/99	5,910,642	Expandable enclosure for telecommunications applications
Baker 5-7-10-2-1	9/3/97	6/15/99	5,911,594	Connector With Wire Guide
Pawlenko 26	12/24/97	6/15/99	5,911,598	Electrical Connector With Protective Gel
Daoud 24	8/29/97	6/22/99	5,913,650	Fastening device with security feature
Adriaenssens 5-11-3-2-10	9/3/97	6/29/99	5,915,989	Connector with Counter-Balanced Crosstalk Compensation Scheme
Conorich 10-12	11/17/97	6/29/99	5,915,992	Patch Cord Connection System
Larsen 5-7	6/23/97	7/13/99	5,921,818	Low Crosstalk Electrical Connector
Wild 6	3/6/97	7/13/99	5,923,807	Storage apparatus for optical fiber

Case Name	Filed	Issued	US Patent	Title
Arnett 27-6	8/1/97	7/20/99	5,924,896	High-Frequency Communication Jack
Daoud 29	9/17/97	7/27/99	5,929,381	Signal Transmission Media Routing Arrangement with Rectangular Distribution Rings
Daoud 20	9/18/96	8/18/99	5,796,039	Weatherproofing of electrical connections with terminals on outdoor panels
Daoud 38	3/13/98	8/24/99	5,942,725	Self-grounding protector module for building entrance protector box
Daoud 107	6/9/98	8/31/99	5,944,209	Dual Use Cover
Arnett 28-7	8/22/97	9/7/99	5,947,772	Wire Terminal Block for Communication Connectors
Georger 5-4	9/25/97	9/7/99	5,950,111	Self-terminating coaxial to unshielded twisted-pair cable passive CATV distribution panel
Reichard 11-1	9/3/97	9/14/99	5,951,330	Alignment apparatus for use in the jack interface housing of a communication plug
Friesen 11-1-11	1/31/97	9/14/99	5,952,607	Local area network cabling arrangement
Daoud 109	6/25/98	9/28/99	5,959,250	Sealing Device for Telecommunications Equipment Enclosures
Daoud 50	3/19/98	10/5/99	5,961,342	Dual sided insulation displacement connector terminal strip
Daoud 116	6/30/98	10/12/99	5,964,614	Connector with Built-in Safety Feature
Daoud 127-9	6/30/98	10/26/99	5,971,795	Multiple Level network Interface Device
Straub 8-1	3/16/98	10/26/99	5,971,797	Connector with cable strain relief
Arnett 29-11-8	8/26/97	11/2/99	5,975,919	Terminal Housing and Wire Board Arrangement with Solderless Mountable Insulation Displacement Connector Terminals
Daoud 102	6/30/98	11/2/99	5,975,924	Grounding Mechanism with Integrated Strain Relief
Lin 6-12-2	9/3/97	11/2/99	5,975,936	Blade carrier for use in a communication plug
Daoud 26	8/29/97	11/2/99	5,975,945	All-purpose network interface devices using conventional plug-in protectors
Choi 13	7/31/98	11/9/99	5,981,640	Laser markable acrylonitrile-butadiene-styrene polymer for telecommunications terminals and keypads
Daoud 72	6/23/98	11/16/99	5,984,712	Base mounted strain relief for insulation displacement connector
Cowan 2-10-29-8	6/30/98	11/23/99	5,989,055	Mechanically Sealed Insulation Displacement Connector
Larsen 6-4-8-13	9/3/97	11/23/99	5,989,071	Low crosstalk assembly structure for use in a communication plug
Daoud 125	6/30/98	11/30/99	5,993,243	Network Interface Device
Daoud 128	6/30/98	11/30/99	5,993,264	Base for a Modular Customer Bridge, and Bridge Assembly Including the Base
Daoud 115	6/30/98	11/30/99	5,993,265	Customer Bridge Mountable On Either A Printed Circuit Or Sheet Metal Panel
Daoud 134	8/28/98	12/7/99	5,996,944	Trough Having Compartments For Securing Cables And Wires

Case Name	Filed	Issued	US Patent	Title
Crouse 1-1-4-3-5	4/24/98	12/7/99	5,997,311	Interconnect and Cross-Connect Equipment Panel for Telecommunications Apparatus
Adriaenssens 3-7-4-11-6	9/2/97	12/7/99	5,997,358	Electrical Connector Having Time-Delayed Signal Compensation
Daoud 75	6/29/98	12/14/99	6,000,250	Sliding security override system
Daoud 82	6/29/98	12/14/99	6,000,253	Sliding security override system
Daoud 84	6/23/98	12/14/99	6,000,962	Wire Pass Through Device for an Insulation Displacement Connector
Daoud 80	6/29/98	12/21/99	6,003,909	Hidden latch security override system
Daoud 163	3/9/99	12/28/99	6,006,556	Hinged Security Override System with Hidden Override Mechanism
Ensz 6-5-15-3	9/3/97	1/4/00	6,010,353	Communication plug
Daoud 92	6/30/98	2/8/00	6,022,233	Lockable Customer Bridge
Daoud 156	9/23/98	2/15/00	6,025,557	Apparatus for Mounting Cables
Bernstein 9-2	2/23/96	2/15/00	6,026,144	Method For Improving The Administration Of The Telephone Local Loop Plant
Daoud 71	3/30/98	2/22/00	6,027,368	Connector Assembly Having A Universal Mounting Bracket
Conorich 11-4	10/9/98	2/22/00	6,027,369	Hingeable Wiring Block
Daoud 62	4/23/98	2/29/00	6,029,581	Pivotable Work Table
Daoud 37	3/13/98	2/29/00	6,031,907	Building Entrance Box With Integrated Flexible Grounding
Daoud 47	3/19/98	2/29/00	6,031,909	Modular Jack Housing
Daoud 112	7/6/98	3/7/00	6,033,259	Mounting Arrangement for Telecommunications Equipment
Citurs 4-56-10-9-6	6/12/98	3/7/00	6,034,862	Diode Module Assembly with Bifurcated Terminals
Daoud 51	3/19/98	3/7/00	6,035,032	Multi-Layered Foldable Cross Connect Field
Daoud 114	10/6/98	3/14/00	6,036,040	Positive-Retention Wire Trough For Electrical Equipment
Daoud 68	3/16/98	3/14/00	6,037,540	Blank Panel With Integrated Physical Cover And Mounting Arrangement For A RJ 21 Connector
Adriaenssens 6-31-8-7-7-10	6/28/98	3/28/00	6,042,427	Communication Plug Having Low Complementary Crosstalk Delay
Helmstetter 5-4	4/24/98	4/4/00	6,046,913	Panel mounted Power Module with adapter mounting bracket
Adriaenssens 4-7-9-10-8-9	7/31/97	4/18/00	6,050,843	Crosstalk Canceling 110 Index Strip And Wiring Block
Savicki 16	3/5/99	4/18/00	6,052,038	Crosstalk Reduction In Parasitically Coupled Circuits
Curry 2-2	6/30/98	4/25/00	6,053,764	Patch Panel And Interlocking Module
Ivan 4-1	1/26/98	4/25/00	6,053,778	Rigidizing Cover Plate For A Printed Wiring Board Mounted Terminal Block
Daoud 132	6/23/98	4/25/00	6,055,146	Wiring Protection and Retention Arrangement Without Feed Through
Arnett 34	1/25/99	5/2/00	6,056,568	Selectable Compatibility Electrical Connector Jack

Case Name	Filed	Issued	US Patent	Title
Daoud 48	3/19/98	5/2/00	6,056,584	Dual Sided Insulation Displacement Connector Block
Arnett 43	5/28/99	5/9/00	6,059,578	Selectable Compatibility Electrical Connector Assembly
Andrews 1-34-1-3	6/4/98	5/9/00	6,061,428	Customer Bridge With Indicators For Diagnosing Electrical Connection Problems
Garibay 4-10-10-54	12/2/98	5/9/00	D424408	Faceplate For Connectors
Daoud 87	7/31/98	5/23/00	6,065,975	Connector Switching Mechanism
Baker 4-6-8-6	5/19/97	5/23/00	6,065,994	Low-Crosstalk Electrical Connector Grouping Like Conductors Together
Citurs 2-54-8-7-4	6/12/98	5/23/00	6,067,221	Voltage Unit Housing
Arnett 37	4/15/99	6/13/00	6,074,256	High Performance Electrical Connector Assembly
Daoud 148-18-10-4-10	12/21/98	6/20/00	6,077,112	Connector With Improved Dielectric Strength
Arnett 30-3-4-7-24-7-10-4	9/29/97	6/20/00	6,078,661	Modular Network Interface Device
Arnett 38	4/15/99	6/27/00	6,079,996	Selectable Compatibility Electrical Connector Jack
Daoud 129	7/31/98	7/4/00	6,083,011	Connector Switching Mechanism With Improved Cap Retention
Pharney 9-8-11	3/25/98	7/11/00	6,086,428	Crosstalk Compensation For Connector Jack
Daoud 137	9/30/98	7/18/00	6,088,876	Sealing Grommet
Daoud 69	3/16/98	7/18/00	6,089,392	Door Retention Mechanism For A Building Entrance Protector
Briggs 5-3-14-7-6	10/30/98	7/25/00	6,093,041	Connector Block With Internal Power Bus
Arnett 42-30-9-2	6/2/99	7/25/00	6,093,048	Solderless Mountable Insulation Displacement Connector Terminal
Daoud 110	7/3/98	7/25/00	6,093,891	Telecommunications Equipment Enclosures Having Side Swivel Stubs
Kluska 5-1-1-2-2	7/11/97	8/1/00	6,096,973	Aerial Terminal For Paired-Conductor And Coaxial-Cable Drop Wires
Beggs 5-2-4-14	9/4/98	8/1/00	6,096,977	High Speed Transmission Patch Cord Cable
Daoud 162	3/9/99	8/8/00	6,099,050	Cam-Actuated Security Override System
Daoud 101-8	6/30/98	8/8/00	6,099,333	Customer Bridge With Automatic Connect And Disconnect Features
Arnett 32	12/28/98	8/15/00	6,102,722	Upgradeable Communication Connector
Daoud 131	6/23/98	8/15/00	6,104,805	Swivel Cable Mounting Arrangement Requiring No Wiring Feed Through Hole
Daoud 118	8/28/98	8/15/00	6,104,806	Modular Layered Network Interface Unit Having Improved Cable Dressing Capabilities
Glodis 5-1-4-3-73	7/14/98	8/22/00	6,105,396	Method of Making A Large MCVD Single Mode Fiber Preform by Varying Internal Pressure to Control Preform Straightness
Mc Lean 5-18	7/1/99	8/22/00	6,106,314	Coaxial Jack With Integral Switch And Shielded Center Conductor
Baker 8-14-7-13-6	12/4/98	8/22/00	6,106,329	Adjustable Modular Panel
Hashim 3	1/16/97	8/22/00	6,107,578	Printed Circuit Board Having Overlapping Conductors for Crosstalk Compensation

Case Name	Filed	Issued	US Patent	Title
Arnett 39	4/15/99	8/29/00	6,109,943	Selectable Compatibility Electrical Connector Plug
Lin 9	7/30/98	8/29/00	6,109,954	Strain Relief Apparatus For Use In A Communication Plug
Daoud 146	12/21/98	9/5/00	6,113,421	Strain Relief Mechanism For An Insulation Displacement Connector
Daoud 136	9/30/98	9/5/00	6,115,467	Modular Layered Network Interface Unit Particularly Suited For Side Expansion
Trehan 2	8/4/98	9/12/00	6,116,615	Composite Weather And Electromagnetic Radiation Gasket For Electronic Cabinets
Goodrich 11-12	3/8/99	9/12/00	6,116,964	High Frequency Communications Connector Assembly With Crosstalk Compensation
Arnett 48-15	11/9/99	9/12/00	6,116,965	Low Crosstalk Connector Configuration
Baker 7-9-13-6	2/17/99	9/12/00	6,118,075	Stackable Universal Pitch Cable Trough System
Daoud 119	8/28/98	9/12/00	6,118,868	Compact Modular Layered Network Interface Unit
Bainbridge 4-1-4-2-3-6-1	7/11/97	9/26/00	6,123,266	Cooling System For Stand-Alone Battery Cabinets
Daoud 160-19-12-11-11	12/21/98	9/26/00	6,123,566	Terminal Strip With Integrated Strain Relief Mechanism For An Insulation Displacement Connector
Daoud 152	12/21/98	10/10/00	6,129,575	Testing System For A Connector With A Self-Sealing Connector Housing
Chapman 7-4-4-2-3-2	9/30/98	10/17/00	6,132,259	Jacks Formed By Die Casting
Aponte 1-3-13	8/1/97	10/24/00	6,137,061	Reduction Of Parasitic Through Hole Via Capacitance In Multilayer Printed Circuit Boards
Arnett 35	1/25/99	10/31/00	6,139,343	Selectable Compatibility Electrical Connector Plug
Spitz 14-3	10/20/99	10/31/00	6,139,371	Communication Connector Assembly With Capacitive Crosstalk Compensation
Daoud 185-17-17-4	6/24/99	11/7/00	6,144,543	Grounding Device
Daoud 104	6/30/98	11/21/00	6,149,458	Network Interface Device Test Access With Cross-Connect Feature
Daoud 161-13-12-8-12	12/21/98	11/28/00	6,152,759	Strain Relief Mechanism For An Insulation Displacement Connector
Arnett 33-3-12	2/2/99	12/5/00	6,155,881	Electrical Connector With Signal Compensation
Daoud 133	7/29/98	12/5/00	6,155,891	Pre-Wiring Gel Sealing
Baker 10-17-27-8	6/10/99	12/12/00	6,159,020	Anti-Snag Patchcord Plug Latch And Cover
Stoller 3	7/13/99	12/26/00	6,164,369	Door Mounted Heat Exchanger For Outdoor Equipment Enclosure
Arnett 41-2-13-16-12-9-2-2	4/27/99	12/26/00	6,165,018	Connector Having Internal Crosstalk Compensation
Spitz 15-4	10/28/99	12/26/00	6,165,023	Capacitive Crosstalk Compensation Arrangement For A Communication Connector
Kane 15	3/15/99	12/26/00	6,166,894	PCB Based Protector Cartridge
Arnett 36	1/25/99	1/2/01	6,168,472	Selectable Compatibility Electrical Connector Assembly

Case Name	Filed	Issued	US Patent	Title
German 31-2-14-13-4	6/4/99	1/2/01	6,168,474	Communications Connector Having Crosstalk Compensation
Eckhardt 4-9-14-7-34	2/2/99	1/9/01	6,173,055	Security Latch For Network Interface Devices And Plastic Enclosures
Arnett 44-13-14	6/25/99	1/23/01	6,176,742	Capacitive Crosstalk Compensation Arrangement For Communication Connectors
Arnett 40-12-13	6/8/99	2/13/01	6,186,834	Enhanced Communication Connector Assembly With Crosstalk Compensation
Daoud 40	3/13/98	2/20/01	6,191,356	Reduced Condensation Protector Panel For Use In A Building Entrance Protector Box
Daoud 39	3/13/98	2/20/01	6,191,357	Building Entrance Protector Box Having Modular Protector Panels With Isolation Between Input And Output Wires
Ivan 7	3/2/99	2/27/01	6,194,652	Cable Terminating Connectors
Friesen 12-2-12	2/28/97	2/27/01	6,194,663	Local Area Network Cabling Arrangement
Briggs 4-158-2-6-5	10/30/98	3/6/01	6,196,869	Mounting Bracket And Power Bus For A Connector Block
Goodrich 14-15	9/21/99	3/6/01	6,196,880	Communication Connector Assembly With Crosstalk Compensation
Citurs 1-53-7-6-3	6/12/98	3/6/01	6,198,615	Voltage Unit Bus Clip
Drexler 8-11	4/26/99	3/13/01	6,200,160	Protective Console Unit For Electrical Or Optical Connectors
Kane 18-24	9/13/99	3/20/01	6,204,746	Thermal Overload Mechanism
Figueiredo 24-39-9	10/22/99	4/10/01	6,215,638	Overload Protection Assembly
Aponte 3-5-3	8/11/98	4/10/01	6,215,856	Dual Mode Monitor Module
Chapman 8-5-4-3	3/25/99	4/24/01	6,220,806	Twin Impression Push Nut
Ely 1-3-10-3	7/19/99	4/24/01	6,220,889	Adjustable Cable Egress Mechanism For Cable Connectors
Pritchard 4-10	6/24/99	4/24/01	6,222,124	Integrated Wall Outlet Plate For Retrofit Low-Voltage Signals
Bartolutti 4-15-16-24-15-9	9/23/99	4/24/01	6,222,908	Method And Device For Identifying A Specific Patch Cord Connector As It Is Introduced Into, Or Removed From, A Telecommunications Patch System
Goodrich 15	12/15/99	5/1/01	6,224,427	Modular Jack Having A Plug-Positioning Member
Trehan 1-2-2	12/11/97	5/1/01	6,225,554	EMI Shielded Enclosure
Baker 11-1-19-10	6/10/99	5/8/01	6,227,886	Snag-Resistant Patchcord Plug Latch And Cover
Kerr 5-8-25-5	9/29/97	5/8/01	6,229,890	Network Interface Device With Automatic Connector Closure
Ensz 10-1-14-5	2/10/99	5/22/01	6,234,830	Tracing Interface Module For Patch Cords In A Telecommunications System
Chapman 6-1-5-2-14	9/3/97	5/29/01	6,238,231	Strain Relief Apparatus For Use In A Communication Plug
Briggs 6-2-3-1-2	9/1/99	5/29/01	6,238,232	High Density Connector Module
Curtis 1-7-19	12/29/98	5/29/01	6,238,251	Patch Panel With Patch Cord Plug Keyway
Benda 6-5-1	6/22/99	6/5/01	6,241,562	Digital Cross Connect/Interconnect Module

Case Name	Filed	Issued	US Patent	Title
Baker 6-8-12-9-5-5-8	12/8/98	6/5/01	6,242,698	Interchangeable Adapter Face Plates
Garibay 5-14-1	10/26/99	6/5/01	6,243,526	Storage Spool Assembly For Optical Fiber
Arnett 46-16	12/21/99	6/12/01	6,244,906	Low Cross-talk Plug And Jack
Arnett 51	8/2/00	6/12/01	6,244,907	Selectable Compatibility Electrical Connector Assembly
Curry 5-3-23	10/27/99	6/12/01	6,245,998	Cable Management Assembly For Equipment Racks
Lin 10	12/16/98	6/26/01	6,250,949	Communication Cable Terminating Plug
Cowan 3-13-32-11	7/30/98	7/3/01	6,254,939	Method For Coating An Electrical Contact With A Gel Sealant
David 7-27-37-11-56	10/13/99	7/31/01	6,267,543	Latch With Spring
Adriaenssens 7-17-8-13	7/7/00	8/7/01	6,270,381	Crosstalk compensation for electrical connectors
Daoud 182-12-18-8-10	7/22/99	8/14/01	6,273,426	Hydrodynamic Seal And A Method For Providing The Same
Daoud 254	12/17/99	8/14/01	6,274,812	Cable Sealing Device System
Aponte 5-8-7-3	6/17/99	8/14/01	6,274,818	Universal Cable Designation/Retainer Assembly
Arnett 47-4-17	11/16/99	8/21/01	6,276,954	Communication Plug Having Consistent And Set Levels Of Complementary Crosstalk
Cole 8-8-68-26	1/14/00	8/21/01	6,276,955	Multi Contact Socket Connector
Baker 15-31-16-2 (120438)	5/22/00	8/21/01	6,276,972	Cable Cover
Beecher 8-12-4	3/31/00	8/28/01	6,280,232	Communication Cable Termination
DeBalko 15	11/28/97	8/28/01	6,282,277	Unbundling Device And Method For Connecting A Competing Local Exchange Carrier To The Subscriber Loop Of A Local Exchange Carrier
Choi 15-2	8/27/99	9/4/01	6,284,184	Method Of Laser Marking One Or More Colors On Plastic Substrates
Conorich 20-9-11	6/10/99	9/4/01	6,284,980	Cable Organizer With Conductor Termination Array
German 15-12-6-6	2/10/99	9/4/01	6,285,293	System And Method For Addressing And Tracing Patch Cords In A Dedicated Telecommunications System
Brake 1-3-1-2-1-16	3/19/99	9/11/01	6,288,328	Coaxial Cable Having Effective Insulated Conductor Rotation
Pharney 11	2/2/99	9/18/01	6,290,546	Communication Connector With Signal Compensation
Beecher 9-1-1-13-3	9/27/99	9/18/01	6,291,767	Data/Communications Distribution Box
Cowan 4-10-15-35	2/9/99	9/18/01	6,292,564	Modular Jack Protective Cover For Harsh Environmental Conditions
Conorich 18-28-9	6/10/99	10/16/01	6,302,699	Twenty Eight Pair Cabling System
Conorich 16-6-17	12/29/98	10/16/01	6,302,728	Patch Panel With Reverse Cordage Exit Patch Cord
Daoud 277-75	3/8/00	11/6/01	6,314,230	Fiber Interconnection Assembly
Benedict 1-10-9-24	4/27/00	11/20/01	6,318,680	Cable Trough arrangement
Crouse	1/24/01	11/27/01	6,321,925	Multiple Layer Hinged Enclosure
Cole 2-1-32-3-6-23-2-3	9/29/97	11/27/01	6,322,375	Network Interface Device With Circuit Board Architecture

Case Name	Filed	Issued	US Patent	Title
Daoud 278-26-11	2/1/00	12/4/01	6,325,634	Panel for Plug-In Protectors
Diaz 1-10-2-14-4	11/10/00	12/4/01	6,325,660	Low Crosstalk Communication Connector
Chism 1	10/28/99	12/11/01	6,328,238	Cable Pay-Out Tube
Bloch 3-12-12-18-9	2/10/99	12/11/01	6,330,307	Display Panel Overlay Structure And Method For Tracing Interface Modules In A Telecommunications Patch System
Conorich 24	5/23/00	12/25/01	6,332,795	Hinged Connection System
Bartolutti 2-11-17-8	2/10/99	2/26/02	6,350,148	Method And Device For Detecting The Presence Of A Patch Cord Connector In A Telecommunications Patch System
Arnett 52-16-18	2/19/00	2/26/02	6,350,158	Low Crosstalk Communications Connector
Lilienthal 18-1	9/5/00	3/12/02	6,354,872	Cable Connectors with Modular Shielding
Conorich 26	5/23/00	3/19/02	6,358,080	Snap-In Module System
Brown 9-3-9	3/12/99	3/26/02	6,362,430	An Integrated Cable Management And Equipment Mounting Device
Shahid 38	3/4/99	4/2/02	6,364,539	Stackable Multi-Fiber Ferrules Having Improved Interconnection Density
Conorich 30-15	5/19/00	4/9/02	6,368,163	Snap-on Contact Retention Comb For A 110 Type Connecting Block
Aponte 7-11-10-6-2-19	5/15/00	4/16/02	6,371,780	RJ Jack with Switch
Daoud 164	3/9/99	4/16/02	6,373,259	Connector Testing System Having A Test Prong Including A Projection
Conorich 28-33-14	5/16/00	4/30/02	6,379,194	Wiring Block Mount
Arnett 45-32	3/13/00	4/30/02	6,379,198	Electrical Connector Terminal Construction
Lin 13	5/31/00	6/11/02	6,402,560	Communication Connector with Crosstalk Compensation
Baker 9-15-8	12/2/99	6/11/02	6,403,885	Integral Cable Retention Device
Helmstetter 20-28-38-12-58	2/29/00	6/11/02	6,404,645	System for Supporting Electronic Components
Conte 4	5/23/00	6/18/02	6,407,542	An Implementation of a Multi-Port Modal Decomposition System
Abel 3-10	2/8/00	6/25/02	6,410,850	A Cable Enclosure Assembly
Savicki 15-5	10/2/98	6/25/02	6,411,619	Remotely Reconfigurable Switching Network
Bartolutti 1-10-11-16-7-7	2/10/99	7/23/02	6,424,710	Method And Device For Detecting The Presence Of A Patch Cord Connector In A Telecommunications Patch System Using Passive Detection Sensors
Burack 14-2-40-52-78-11	11/10/00	8/20/02	6,435,901	Method for Protecting and Reworking Connector Block Wiring
Baker 16-3	8/22/00	8/27/02	6,441,318	Compensation adjustable Printed Circuit Board
McCurdy	6/22/01	9/3/02	6,443,777	Induction Crosstalk Compensation in a Communication Connector
Daoud 257	2/9/00	9/10/02	6,448,496	Strain Relief
Goodrich	7/30/01	9/24/02	6,454,590	Positive Connection System for High Frequency Communication Connectors
Kay 13-20-5-39-2	8/13/99	10/8/02	6,462,436	Economical Packaging for EMI Shields on PCB

Case Name	Filed	Issued	US Patent	Title
Hashim et al.	5/23/01	10/15/02	6,464,541	Simultaneous NEXT And FEXT Compensation In A Communication Connection
Abel 4-5	4/10/01	12/3/02	6,488,525	Wire Lead Guide For Communication Connectors
German 26-13	9/23/99	12/31/02	6,499,861	Illuminated Patch Cord Connector Ports For Use In A Telecommunications Patch Closet Having Patch Cord Tracing Capabilities
Neveux 3	9/14/99	1/14/03	6,506,976	Electrical Cable Apparatus And Method For Making
Cowan 8-3-20-28-46	11/5/99	1/28/03	6,511,327	Simplified Network Interface Device
Bartolutti 3-13-19-10-8	2/10/99	2/18/03	6,522,737	System And Method Of Operation For A Telecommunications Patch System
Goodrich	3/22/01	3/11/03	6,530,810	High Performance Communication Connector Construction
Paul 5	5/24/99	3/18/03	6,536,042	Signal Distribution System With Integrated IR Signal Control
Arnett 52-16-18 CIP	2/26/02	4/15/03	6,547,604	Communication Jack Connector Construction for Avoiding Damage to Contact Wires
Deleu	7/16/01	5/6/03	6,559,649	Connector Assembly to Eliminate or Reduce ESD on High Speed Communication Cables
Daoud 98	6/30/98	5/20/03	6,565,375	Modified Connector Module With Integrated Push Cap For wire Termination
Conte 3	2/9/00	5/27/03	6,571,187	An Algorithm For The Calibration Of Two Port High Frequency Measurements
Daoud 199	7/30/99	7/8/03	6,590,978	Security Mechanism For Snap Latch Devices
Brown	10/3/01	7/15/03	6,592,395	In-Line Cable Connector Assembly
Cowan 6-14-21-9-40 (CIP)	4/4/01	7/29/03	6,598,435	Keyed Plastic Molding Device For Individual Subscribers
Donner 1-13-3-13	5/22/97	8/19/03	6,608,255	LOCAL AREA NETWORK CABLING ARRANGEMENT HAVING IMPROVED CAPACITANCE UNBALANCE AND STRUCTURAL RETURN LOSS
Arnett 45-32 - DIV	12/26/01	9/2/03	6,612,880	Communication Connector Terminal And Terminal Block Configuration
Kerr 24-19-6	11/1/99	9/23/03	6,625,280	Balanced Heat Coil Protector
Conte 2	2/7/00	11/11/03	6,647,357	An Implementation Of An 8 Port Modal Decomposition
Jackson	12/7/01	12/9/03	6,661,638	Capacitor Employing Both Fringe and Plate Capacitance and Method
Arnett	7/17/02	12/16/03	6,663,436	High Frequency Telecommunication Connector
Baker 13-16-22-29-13	6/10/99	12/30/03	6,671,372	Printed Wiring Board Cable Cover

File Number	Patent / Design Number	Patent Title	Application Date	Grant Date
205758-US-DIV	5005284	METHODS OF ASSEMBLING TERMINALS WI+	6/6/90	4/9/91
211149-US-CNT	4595793	FLAME-RESISTANT PLENUM CABLE AND M+	10/18/84	6/17/86
217399-US	4584241	STABILIZATION OF PVC BODIES	4/6/84	4/22/86

File Number	Patent / Design Number	Patent Title	Application Date	Grant Date
217740-US-DIV	4569704	METHODS OF MAKING A BONDED SHEATH +	5/31/85	2/11/86
247301-US	4605818	FLAME-RESISTANT PLENUM CABLE AND M+	6/29/84	8/12/86

Case Name	Filed	Issued	US Patent	Title
Loesch 5	2/15/83	11/5/85	4,551,185	Methods of and apparatus for making retractile cords [Expired]
Wiechard 9	9/28/84	11/4/86	4,620,958	Methods of and apparatus for molding articles through a balanced, removable runner system
Bohannon 25-6-4-6	5/31/85	11/11/86	4,622,092	Apparatus for making a bonded sheath cable
Loesch 6	7/10/85	11/18/86	4,623,129	Apparatus for making retractile cords
Snyder 3	11/1/85	3/17/87	4,649,670	Methods of end finishing a lightguide fiber termination
Denkmann 1-2-7	9/16/85	3/17/87	4,650,269	Modular Plug Connection
O'Connor 6	9/15/86	8/25/87	4,688,875	Spring Contact Structure
Beggs 1-2-11	7/31/85	9/29/87	4,697,051	Data transmission system
Goodrich 4-2	5/15/86	10/13/87	4,699,443	Modular Telephone Jack
Faust 4	6/18/86	11/3/87	4,704,499	Locking Mechanism for Aerial Cable Closure and Terminals
Choi 9-10-29	11/7/86	11/10/87	4,705,823	Extrudable Blend
Heisinger 4	4/15/87	12/1/87	4,710,846	Modular protector for telecommunications equipment
Snyder 4	10/31/86	12/8/87	4,711,053	Apparatus for end finishing a lightguide fiber termination
Hawkins 1-3-5	6/3/87	4/5/88	4,736,071	Encapsulation system with pressurization means
Moser 4	9/25/86	4/26/88	4,740,261	Extrusion methods and apparatus
Beggs 3-4-3-13-9	9/24/86	7/5/88	4,755,629	Local area network cable
Cogelia 9-3-8-3	4/28/87	8/2/88	4,761,053	Communications transmission media
Dickey 10-2	11/4/87	8/16/88	4,764,950	Snap-on network interface unit
Boehlke 1-1	1/21/87	4/4/89	4,818,311	Methods of an apparatus for heating a moving metallic strand material
Dixit 1-1	8/19/87	4/4/89	4,818,824	Closure for aerial telephone cable splices
Denkmann 2-3-4-2	6/10/88	4/11/89	4,820,192	Connecting Block Construction
Denkmann 3-4-5-4	1/17/89	9/12/89	4,865,564	Wall-Mounted Connecting Block
Merriman 1-3	6/24/88	2/13/90	4,901,189	Terminal block and methods of making
Dougherty 14-3	10/31/88	3/20/90	4,910,359	Universal cordage for transmitting communications signal
Doyle 1	6/29/89	4/3/90	4,913,659	Push-Cap Terminals and Terminal Boards with Same
Moore 1-1-2	2/24/87	4/3/90	D306999	Marked retractile telephone cord
Hardin 5-2	1/27/89	7/17/90	4,941,729	Building cables which include non-halogenated plastic materials
Cocco 11-4-1	11/18/88	8/21/90	4,950,176	Modular plug for terminating cordage
Friesen 7-2-16	2/3/89	8/28/90	4,953,206	Methods of and apparatus for providing substantially error-free transmitted data

Case Name	Filed	Issued	US Patent	Title
Hardin 6-3	4/25/89	11/13/90	4,969,706	Plenum cable which includes halogenated and non-halogenated plastic materials
Benjamin 4-12-1-1	3/14/88	11/13/90	D312070	Connecting Block
Birch 1	8/28/89	1/29/91	4,988,834	Cable Sealing System
Benjamin 5-13-2-3	3/14/88	2/19/91	D314746	Dual Connecting Block
Hardin 7-4	7/25/89	3/19/91	5,001,304	Building riser cable
Glenn 1	8/25/89	5/14/91	5,015,508	Methods of and a device for causing a fluid to be moved into engagement with a moving elongated material
Doyle 2	12/18/89	5/21/91	5,017,155	Terminal Board Frames and Panels
Hardin 8-7	12/21/89	6/18/91	5,024,506	Plenum cable which include non-halogenated plastic materials
Parnas	6/20/90	9/17/91	5,049,721	Laser marking apparatus and method for providing markings of enhanced readability in an outer jacket of a moving cable
Hunt 1	8/24/90	11/12/91	5,064,136	Payout tube for container packaged coiled filament
Hardin 9-4-21-1-9	12/14/90	12/24/91	5,074,640	Cables which include non-halogenated plastic materials
Choi 8-14-6-3-28	10/2/86	2/11/92	5,087,521	Modified Polymer Containing Articles
Arnett 4-9	3/27/90	2/25/92	5,091,826	Printed Wiring Board Connector
Dixit 3-1	10/30/90	4/28/92	5,109,458	Cable Seal
Hunt 2	12/26/90	5/26/92	5,115,995	Angularly lockable payout tube
Kluska 1-26	3/29/91	8/4/92	5,136,121	Cable Terminals
Bainbridge 2-2-2	7/6/91	9/22/92	5,150,277	Cooling of Electronic Equipment Cabinets
Hunt 3-2	11/21/91	9/29/92	5,150,852	Payout tube with improved locking means
Gossett 1-14-19-1	7/25/90	10/13/92	5,155,304	Aerial service wire
Dickinson 1	3/6/92	12/22/92	5,173,960	Cable having superior resistance to flame spread and smoke evolution
DeBalko 2-1-6	8/30/91	12/29/92	5,175,662	Device Including an MTU and Protector
Mullin 13-1	6/27/90	1/12/93	5,179,251	Unshielded service wire for buried installation
Emani 1	11/27/91	3/2/93	5,190,460	Central Office Connector for a Distributing Frame System
Hardin 10-9	2/20/92	4/13/93	5,202,946	High count transmission media plenum cables which include non-halogenated plastic materials
DeBalko 4-1-3	2/28/92	5/4/93	5,207,583	Network Interface Unit
Alden 2-4-1	9/27/90	8/17/93	D338469	Cabinet for Housing Electronic Components
Golden 1-1	12/27/91	8/24/93	5,239,128	Field Encapsulatable Splice Cabinet
Daoud 3	8/26/92	8/31/93	5,240,432	Insulation Displacement Connectors
Golden 2-1-2-1-1	3/27/92	9/14/93	5,245,131	Cabinets Having Improved Cable Entrance Seal
Chan 2-5-15-3-6-4-7-4-23	5/29/92	12/14/93	5,270,486	Metallic transmission medium disposed in stabilized plastic insulation
Mottine 24-11	8/29/91	7/5/94	5,326,638	Transmission media covered with lead-free stabilized polyvinyl chloride sheath with sacrificial component

Case Name	Filed	Issued	US Patent	Title
Palaszewski 3	3/2/94	11/21/95	5,469,328	Electronic cabinet with reduced absorption of solar radiation
Batroney 1-1-2	12/28/93	12/19/95	5,476,316	Electronic Equipment Cabinet with Improved Door
Arnett 11-7	10/11/94	1/16/96	D366205	Face Plate Including ICON Display Unit(s)
Stoller 2	11/2/94	5/7/96	5,515,235	Electrical Equipment Enclosure including transfer switch and load circuit breaker assembly
DeBalko 8	12/27/94	6/4/96	5,524,043	Remotely Connectable Maintenance Termination Unit
Bass 3	12/9/94	6/25/96	5,529,186	Boxed Pay-Out Reel for Optic Fiber Cable or Wire or the Like, with Smooth Pay-Out, High-Impact and Cable End Holding Features
Josoff 2	6/29/95	1/21/97	5,595,354	Apparatus for storing a variable quantity of moving strand material
DeBalko 11	9/18/95	3/25/97	5,614,939	Coaxial Cable Service Interrupter
Gilbert 2-5-3	10/20/94	6/3/97	5,636,138	Jumper cable Selection and Routing System
Arnett 20	9/28/95	6/10/97	D379797	Protective Hood for Wallplate (Design)
Josoff 3	6/29/95	7/15/97	5,647,195	Method for twisting a pair of moving strands
Chapman 5-3-2-3-21-1	5/31/95	7/22/97	5,649,357	Method and Apparatus for Attaching Connectors
Arnett 16	9/26/95	9/9/97	5,664,955	Protective Hood
Arnett 10-6	10/11/94	1/27/98	D389726	Display Unit for an ICON Symbol for Use with a Telephone Modular Connector
DeBalko 12	12/26/95	2/17/98	5,719,917	Circuit for Activating Back-up Lines
DeBalko 10	3/30/95	2/24/98	5,721,773	Lightning Protected Maintenance termination Unit
Zerbs 10	7/31/95	4/14/98	5,739,473	Fire resistant cable for use in local area network
Arnett 22-6	5/16/96	5/26/98	D394674	Information Display Apparatus
Arroyo 45	9/5/95	10/6/98	5,817,981	Coaxial Cable
Bleich 14-1-17-2	2/27/96	4/27/99	5,898,133	Coaxial Cable for Plenum Applications
Daoud 100-7	6/30/98	7/27/99	5,928,030	Bridging Clip for Wire Wrapped Terminals
Daoud 89	6/30/98	10/19/99	5,967,835	Wire Wrap Connection Repair Device
Bass 4-2	6/22/98	11/9/99	5,979,811	Cable Payout Tube
Daoud 124	8/28/98	11/16/99	5,984,735	Material Displacement Type Retention Mechanism For Connector Terminals
Daoud 22	7/31/97	11/23/99	5,989,062	Reversible receptacle for mounting connectors
Hughes 4-11-1-3	12/19/97	11/23/99	5,991,140	Technique for effectively re-arranging circuitry to realize a communications service
Mistry 1	8/6/97	12/28/99	6,007,942	Battery Compartment comprising a Raised Floor Structure for Electronics Equipment Enclosures
Daoud 60	4/23/98	2/1/00	6,019,155	Extendable Surface
Daoud 44-2-2	3/5/98	2/15/00	6,024,598	Bracket For IDC Connectors With Cable Slack Storage
Daoud 63-3-7-7	3/9/98	2/15/00	6,024,600	Mounting Fastener For Grounding Daisy Chain Connected Building Entrance Protectors
Daoud 70	3/16/98	2/29/00	6,031,182	Concentric Strain Relief Mechanism For Variable Diameter Cables

Case Name	Filed	Issued	US Patent	Title
Daoud 77	6/25/98	3/7/00	6,032,420	Internally Mounted Retractable Weather Shield
Daoud 99	6/30/98	4/4/00	6,045,392	Modified Index Strip With Integrated Push Cap For Wire Termination
Daoud 96	9/3/98	4/25/00	6,052,951	Weather Hood
Daoud 61	4/23/98	4/25/00	6,053,117	Retractable Work Table Assembly
Dispenza 4	6/29/98	4/25/00	6,053,456	Cable Anchor Assembly
Daoud 49	3/19/98	4/25/00	6,055,299	Connector Block With Built-In Array Test Feature
Lin 8	7/30/98	5/2/00	6,056,586	Anchoring Member For A Communication Cable
Daoud 140	8/27/98	5/2/00	6,056,606	Base For Electrical Components With Potted Terminals
Daoud 65	3/16/98	5/9/00	6,060,665	Grooved Paths For Printed Wiring Board With Obstructions
Daoud 57	4/23/98	5/30/00	6,068,508	Connector Assembly Test Block
Reed 12	6/11/99	5/30/00	D425778	Protective Console Unit For Electrical Or Optical Connectors
Daoud 35	3/30/98	6/6/00	6,071,126	Surge Protector Panel For Use In A Building Entrance Protector
Daoud 46	3/19/98	6/13/00	6,073,890	Strain Relief Mechanism And Method
Daoud 78	6/25/98	6/20/00	6,076,309	Retractable Weather Shield
Daoud 76	6/25/98	6/27/00	6,079,163	Rear Mounted Retractable Weather Shield
Daoud 41	3/13/98	6/27/00	6,079,677	Adjustable Bracket Assembly For A Building Entrance Box
Daoud 66	3/16/98	6/27/00	6,080,010	Bracket Design For A Back To Back Individual Strain Relief Of Two Modular Connectors
Eizadkhah 1-1	5/29/98	7/4/00	6,082,845	Tilttable Electronics Cabinet
Daoud 90	6/30/98	7/4/00	6,083,010	Hinge With Integrated Grounding Feature
Daoud 64	3/20/98	7/4/00	6,083,032	Pin Adjustment Fixture For Printed Wiring Board (PWB) Mounting
Lilienthal 13-3	10/5/98	7/4/00	6,084,181	Jacket and Cord Having Circular and Non-Circular Portions, and Method for Producing the Same
Daoud 149	12/21/98	7/11/00	6,086,407	Terminal Design For Improved Dielectric Strength
Daoud 91	6/30/98	7/11/00	6,087,584	Tubular Cable Grounding Mechanism
Daoud 97	7/21/98	7/18/00	6,089,881	Grounding Hinge
Daoud 167	12/1/98	7/18/00	6,089,902	Miniature connector assembly, a miniature connector retrofit kit and a method for making and using the same
Daoud 147	12/21/98	7/25/00	6,093,049	Wire Insertion Entrance Aperture
Daoud 52	3/19/98	8/1/00	6,095,461	Apparatus And Method For Reducing Wear On A Conductor
Daoud 58	4/23/98	8/15/00	6,102,729	Electrically-Conductive Universal Connector And Connector Assembly
Daoud 145	12/21/98	8/15/00	6,102,731	Connector Security Mechanism
Daoud 214	9/7/99	9/5/00	6,113,067	Self-Sealing Pressure Valve Assembly
Daoud 178	7/19/99	9/12/00	6,116,447	Expandable Enclosure

Case Name	Filed	Issued	US Patent	Title
Daoud 172	1/13/99	9/12/00	6,118,664	Handle For Plug-In Protectors
Eardley 1-1-1-2-1	6/29/98	9/19/00	6,122,179	Mounting Tree For Power Transfer Devices Used In Hybrid Fiber/Coaxial Systems
Daoud 67	3/16/98	9/19/00	6,122,368	A Connector Mounting Arrangement In A Center Location Of A Plastic Box
Daoud 93	6/30/98	10/3/00	6,126,488	Network Interface Device Retrofit Module For Selective Pairs On A 66-Type Block
Daoud 73	7/17/98	10/3/00	6,127,627	Optimized Wiring Housing
Daoud 170	12/21/98	10/10/00	6,129,577	Connector Testing System Having Connector Latching
Daoud 105	6/30/98	10/10/00	6,129,590	Network Interface Device Retrofit Kit
Daoud 210	9/24/99	10/17/00	6,132,240	Printed Wiring Board Assembly for A Connector With Strain Relief And Terminal Isolation
Alberhasky 1-1	10/14/99	10/24/00	6,134,802	Wire Or Cable Drying System With Water Separator
Daoud 211	9/1/99	10/24/00	6,135,811	RJ11 Customer Bridge Assembly With Integrated Gel Cover
Daoud 166	5/10/99	10/31/00	6,139,075	Tool-Operated Sliding Security System
Daoud 143	12/21/98	10/31/00	6,139,352	Insulation Displacement Connector With Selectively Removable Abutment Wall
Daoud 139	10/14/98	10/31/00	6,139,356	Block Labeling System
Cole 5-5-33-45-65	1/14/00	11/7/00	6,142,818	IDC Twist Cap Strain Relief
Daoud 94	8/28/98	11/7/00	6,142,835	Building Entry Protection Unit
Daoud 33	3/30/98	11/14/00	6,146,149	Building Entrance Protector with Replaceable Fusible Link Assembly
Cole 3-3-12-31-9-10	7/16/98	11/14/00	6,146,185	Contact Wire Assembly
Burek 19-15-6	2/25/99	11/21/00	6,151,436	Splice Closure With Extended Cover
Daoud 120	8/28/98	12/5/00	6,157,714	Modular Layered Network Interface Unit Particularly Suited To A Two-Layer Arrangement
Daoud 117	8/28/98	12/5/00	6,157,715	Modular Layered Network Interface Unit
Daoud 171	3/9/99	12/12/00	6,159,036	Locking Latch Mechanism For An Insulation Displacement Connector
Kay 16-23-6-42-3	9/30/99	12/19/00	6,161,765	Outdoor Enclosure With Heated Desiccant
Daoud 113	8/28/98	12/19/00	6,161,803	Expandable Wiring Trough For Telecommunications Equipment
Daoud 126	7/22/98	1/2/01	6,167,591	A Hinge Providing An Electrical Connection
Shahid 30	4/30/98	1/2/01	6,168,317	Alignment Adapter For An Optical Connector And Method For Making Same
Daoud 123	8/28/98	1/2/01	6,168,478	Snap Type Retention Mechanism For Connector Terminals
Craft 3-3-1-27-33-6	6/11/98	1/2/01	6,169,247	Enclosure For Electronic Components
Eardley 2-2-2-3-2	6/29/98	1/9/01	6,170,928	Multi-Latch Door For Electrical Cabinets
Daoud 121	8/28/98	1/16/01	6,173,476	A Hinge Assembly Particularly Suited For Grounding
Daoud 219	8/10/99	1/30/01	6,180,887	Clip For Forming A Branch Off Seal And Method Of Using The Clip

Case Name	Filed	Issued	US Patent	Title
Daoud 79	6/29/98	2/6/01	6,182,479	Hinged Security Override System
Daoud 176	6/28/99	2/13/01	6,186,820	A Wire-Wrap Connector Block Base Having An Articulate Side Wall
Daoud 173	1/13/99	2/13/01	6,188,581	Expandable Housing For Plug-In Protectors
Eizadkhah 1-1	5/19/00	2/17/01	6,193,341	A Tiltable Electronics Cabinet
Daoud 213	9/3/99	2/20/01	6,190,185	Connector With Sealing Cover
Daoud 36	3/13/98	2/20/01	6,191,358	Building Entrance Box With Localized Wire Potting
Daoud 181-14-17-18-5	6/23/99	3/20/01	6,203,334	Modular Jack Receptacle Including a Removable Interface
Daoud 111	10/6/98	3/20/01	6,205,221	Grounding Configuration For Telecommunications Equipment
Daoud 232	10/20/99	4/10/01	6,212,735	Mechanism For Automatic Closing Of Box Cover And Guillotine Protection
Baker 14-2-1	11/11/99	4/10/01	6,212,758	A Wire Termination Tool Having an Improved Impact Shaft
Daoud 95	6/30/98	4/24/01	6,220,554	Wire Clip
Daoud 230-26-36-55	10/20/99	5/15/01	6,231,014	Mechanism For Low Profile Enclosures
Daoud 144	12/21/98	5/15/01	6,231,373	Connector With Integrated Living Hinge And Resettable Spring
Daoud 238	9/21/99	5/22/01	6,233,784	Hinge
Daoud 212	9/24/99	6/5/01	6,242,695	Connector With Collapsible Walls
Daoud 180-21-15-13-16	9/15/99	6/19/01	6,247,959	Modular Plug Assembly
Daoud 272	2/1/00	6/19/01	6,247,960	Top Access Slidable Insulation Displacement Connector
Daoud 159	9/7/99	6/19/01	6,247,964	Wire Connector Blocks For Mounting Onto Mounting Surfaces Of Variable Thicknesses
Daoud 179-20-5-14-16-11-36	5/10/99	6/19/01	6,249,415	Surge Protector And Method For Preventing Damage From Line Surges
Daoud 184-16-3	6/22/99	6/19/01	6,249,416	Grounding Device for Voltage Surge Protection of Telecommunications Equipment
Daoud 141	3/9/99	6/19/01	6,249,580	Upgradable Customer Bridge
Daoud 261	1/3/00	6/26/01	6,250,948	Cylindrical Front Access Connector
Daoud 59	4/23/98	6/26/01	6,252,941	Network Interface Unit
Baker 12-21-12-1	6/10/99	7/10/01	6,257,937	Cable Cover
Daoud 223	8/9/99	7/10/01	6,259,024	Integrated Base Fixture For A Telecommunications Enclosure
Daoud 183-15-2	6/22/99	7/10/01	6,259,590	Grounding Device For Preventing Lorentz Force In Voltage Surge Protection
Daoud 275-25-2	1/5/00	7/10/01	6,259,852	Fiber Optic Pedestal
Daoud 88	6/30/98	7/17/01	6,261,118	Insulation Displacement Connector Terminal For A Network Interface Device
Daoud 222	8/10/99	7/17/01	6,263,145	Densely Packed Cable Port Layout
Daoud 198	7/30/99	7/24/01	6,263,543	Self-Latching Hinge
Daoud 258	12/6/99	7/31/01	6,268,565	Cable Seal For Submerged Enclosures

Case Name	Filed	Issued	US Patent	Title
Daoud 262	2/29/00	8/14/01	6,273,763	Connector Assembly and Disassembly Device
Daoud 231	10/28/99	8/21/01	6,278,061	Concentric Retainer Mechanism For Variable Diameter Cables
Daoud 169	12/21/98	8/28/01	6,280,236	Testing System With Bridge Clip, And Connector Having A Positive Stop
Daoud 74	7/17/98	8/28/01	6,282,285	Optimized Multilayer Wiring Housing
Daoud 175	12/21/98	9/4/01	6,283,785	Connector Top Cap
Daoud 256	2/9/00	9/4/01	6,284,973	Strain Relief
Daoud 31-14	9/30/97	9/4/01	6,285,194	Customer Bridge With Built-In Test Access
Daoud 168	12/21/98	9/25/01	6,293,815	Connector Having Self-Sealing Membrane
Daoud 264	2/29/00	9/25/01	6,294,734	Cable Sealing Device For Consecutive Cable Ports
Daoud 265	2/29/00	10/2/01	6,296,515	Connector Having A Latching Mechanism
Daoud 174	9/17/99	10/9/01	6,299,474	Front Access Connector For Multiple Wire Gauge And Wire Wrap Connections
Cowan 9-5-22-30-48	10/14/99	10/9/01	6,299,526	Temperature System For Enclosure
Daoud 220	7/29/99	10/9/01	6,300,562	Self-Sealing Telecommunications Enclosure
Daoud 150	12/21/98	10/16/01	6,302,725	Self-Latching Terminal Strip
Daoud 142	12/21/98	10/30/01	6,309,240	Terminal Strip For Maintaining Tip/Ring Orientation Standards
Lin 11	10/1/99	11/6/01	6,311,392	Telecommunication Cordage Fixture And Insertion Tool
Daoud 81	6/23/98	11/13/01	6,315,599	Strain relief mechanism for insulation displacement connector
Daoud 266	2/29/00	11/20/01	6,319,018	Circuit Board Electrical and Physical Connection System and Method
Daoud 186	6/9/99	11/20/01	6,319,024	Strain Relief Mechanism For A Plug-In Protector Panel
Wild 18	12/28/98	11/27/01	6,322,176	Transmission Media Patch Panel Modular Cabinetry System
Daoud 135	9/30/98	12/4/01	6,325,427	Locking Mechanism
Daoud 274	2/1/00	12/4/01	6,326,545	High Density Distribution Panel Having Front Accessible Electrical Components
Cook 2-4-1-21-29-47-1	11/19/99	12/25/01	6,332,659	Modular Cabinet For Housing Electronics
Daoud 151	12/21/98	1/22/02	6,340,306	Bridging Clip For A Connector
Duong 3-1-3-1-1-1	9/23/99	2/12/02	6,345,874	Cabinet Mounting Structure
Daoud 188	6/9/99	2/12/02	6,345,991	Printed Wiring Board For Connecting To Pins
Daoud 187	6/9/99	2/12/02	6,346,004	Top Access Cap For Barrel IDC Connector And Connector Including The Cap
Daoud 273	2/1/00	2/26/02	6,349,893	Retractable Fiber Slack Storage Device
Daoud 259	2/9/00	2/26/02	6,350,955	Strain Relief
Daoud 218	8/11/99	3/5/02	6,353,184	Low Profile Adapter For Variable Size Heat Shrink Tubing Joint
Daoud 237	9/21/99	3/19/02	6,357,082	Restraint Mechanism For Limiting Angular Rotation Of Hinged Components

Case Name	Filed	Issued	US Patent	Title
Daoud 217	8/11/99	3/19/02	6,359,223	Method And Apparatus For Making A High-Pressure Seal Using Cold Shrink Tubing
Daoud 268	2/29/00	3/26/02	6,361,242	Connector Security Latching Mechanism
Daoud 215	8/11/99	3/26/02	6,362,427	Low Profile Adapter For Variable Size Heat Shrink Tubing
Daoud 122	8/28/98	4/9/02	6,370,246	Trough for Cables and Wires
Lilienthal 14	10/27/99	4/16/02	6,370,769	Automated Assembly Of Connector to Cable Having Twisted Wire Pairs
Paul 4	5/21/98	4/30/02	6,381,745	Signal Distribution System
Cole 4-4-32-44-64	1/14/00	5/7/02	6,381,839	Tool and Method For Assembly Of IDC Strain Relief Caps
Daoud 249	2/9/00	6/25/02	6,409,179	Cable Sealing Arrangements and Sealing Members for Use Therein
Aranguren 13-3-7	9/15/98	7/30/02	6,427,237	Network for Distributing Multimedia Signals Over a Primary Signal Distribution Path
Daoud 189	6/9/99	8/6/02	6,428,061	Retractable Safety Mechanism For A Cabinet
Conorich 23	5/23/00	8/27/02	6,439,911	Contacts for Hinged Connection System
Daoud 267	3/31/00	9/3/02	6,443,457	Cable Sealing Device for Various Cable Gauges
Arnett 50 (CIP)	5/14/01	9/17/02	6,450,838	Universally Configurable Modular Connector
Donner 3	6/3/99	9/17/02	6,452,094	High speed transmission local area network cable
Daoud 236	9/21/99	9/24/02	6,456,772	System For Removable Attachment Of Two Objects
Daoud 177	7/19/99	10/1/02	6,457,687	A Mechanism For Mounting And Venting An Enclosure
Daoud 153	12/21/98	10/1/02	6,457,990	Insulation Displacement Connector Retaining Latch Member
Bocanegra 1-1-13-10-2	12/16/99	10/1/02	6,459,836	Corrugated Armor For Providing Protection And Tensile Stiffness
Daoud 255	12/17/99	10/8/02	6,462,275	A Cable Sealing Device and System
Daoud 221	7/29/99	10/8/02	6,463,203	High Pressure Sealed Telecommunications Equipment Enclosures
Daoud 280	8/23/00	10/15/02	6,463,728	Cable Guide
Daoud 263	2/1/00	12/3/02	6,488,317	Cable Strain Relief Adapter With Gel Sealing Grommet
Daoud 242-26-20-19-19	9/22/99	12/17/02	6,494,737	Wire Connector Block For Use With Printed Wire Boards And Wire Wrapping
Daoud 279	5/24/00	1/7/03	6,503,107	Modular Jack Having Contacting Spring Leads
Alberhasky 2-2	4/3/00	2/4/03	6,514,341	Method and apparatus for removing optical fiber

PENDING APPLICATIONS:

Case Name	Filed	Appl No.	Title
Daoud 10	5/24/96	08/653558	Integrated Customer Bridge and Jack
Aponte 4-7-6-6-2	6/22/99	09/338194	Universal Portable Regenerator

Case Name	Filed	Appl No.	Title
Zerbs 17	9/24/99	09/405337	Twisted Pair Cable
Daoud 239	9/24/99	09/405872	Bracket For Wave Solder Application
Cowan 7-15-22-10-41	9/30/99	09/409288	Network Interface Unit With Subscriber Line Daughter Boards
Daoud 240-25-19-18-8	10/7/99	09/414663	Connector Housing Design For Strain Relief Of Wires
DeBalko 23-17-23-31-49	10/29/99	09/429729	Surge Protector Device
Cole 6-6-34-66	1/14/00	09/483595	IDC Strain Relief Cap Automated Assembly Tool
Daoud 276-48-12-72-9	2/2/00	09/497045	Mold Incorporating a Heat Source and Apparatus and Method for Using Such Molds
Burack 13-36-47-71-8	3/13/00	09/524497	Composition And Method For Producing EMI-Shielding Gaskets Using Polymer Materials
Conorich 29	5/23/00	09/577273	Board Mounted Jack Module
Daoud 260-28-22	6/6/00	09/588658	Method Of Terminating Wire For Enhanced Performance
Daoud 281	9/7/00	09/656876	A Customer Bridge With Integrated Pivoting Container
Bartolutti 5-9-5-2-15-6-27-23	9/18/00	09/664243	System for Providing Universal Cross-Connect Connectivity in a Central Office
Replogle	11/2/01	10/001732	Programmable DC Power System For Network Elements
Clark	1/2/02	10/038641	Electrical Cable Having Corrugated Spacer
Arnett	2/15/02	10/076933	A High Frequency Communication Connector with Controlled Variation
Hopkinson	4/22/02	10/127401	Network Cable with Elliptical Crossweb Fin Structure
Duong	6/12/02	10/167953	Double-sided Heat Exchanger Core
Duong	6/12/02	10/170659	Cooling System for Telecommunications Cabinet
Stoller	7/11/02	10/193050	Systems and Methods for Waterproof Cabinets
Stoller	7/11/02	10/193556	Systems and Methods for Waterproof Cabinets
Arnett	10/3/02	10/269211	A Communications Connector that Operates in Multiple Modes for Handling Multiple Signal Types
Hashim	10/23/02	10/278323	Correcting for Near End Crosstalk Unbalanced Caused by Deployment of Crosstalk Compensation on Other Pairs
Arnett	11/4/02	10/287141	A Communication Jack that Withstands Insertion
Anderson	12/9/02	10/316235	Array Connector/Ferrule for Large Core Ribbon Fiber
Canning (00)	2/27/03	60/449869	Wire Retention Device For Insulation Displacement Contacts (503017-A-00)
Trehan	3/10/03	10/386007	Cabinet Upgrade System for In-Service Telecommunications Cabinets
Abel	5/28/03	10/447181	Back-End Variation Cap
Cafferty	8/4/03	10/633421	Telecommunications Panel Flame Shield And Wire Trough
Stoller	8/29/03	10/651041	Sliding Drawer Arrangement for Heavy Loads
Cowley	9/30/03	10/674449	Cable and Connector for Optical Waveguide Arrays
Hayes	10/8/03	10/680156	Local Area Network cabling arrangement
Hayes	10/23/03	10/690608	Local Area Network cabling arrangement with Randomized Variation
Parke	12/22/03	10/740476	Finned Jackets for LAN Cables