

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TELCORDIA LICENSING COMPANY LLC	01/25/2011

RECEIVING PARTY DATA

Name:	TTI INVENTIONS A LLC
Street Address:	2711 Centerville Road, Suite 400
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19808

PROPERTY NUMBERS Total: 30

Property Type	Number
Patent Number:	5351262
Patent Number:	5353283
Patent Number:	5371532
Patent Number:	5381407
Patent Number:	5386413
Patent Number:	5442623
Patent Number:	5446807
Patent Number:	5455877
Patent Number:	5504780
Patent Number:	5524141
Patent Number:	5533009
Patent Number:	5157654
Patent Number:	5539559
Patent Number:	5539884
Patent Number:	5546542

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Patent Number:	6116101
Patent Number:	6404524
Patent Number:	6560204
Patent Number:	6597686
Patent Number:	5267266
Patent Number:	6862291
Patent Number:	5301055
Patent Number:	5301333
Patent Number:	7159026
Patent Number:	5615351
Patent Number:	5650993
Patent Number:	5680390
Patent Number:	5732078
Patent Number:	5930018
Patent Number:	5999291

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Total Attachments: 7

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(a) the provisional patent applications, patent applications and patents listed in the table below (the "*Patents*");

Patent or application no.	Country	Filing Date	Title of Patent and Inventors
5,351,262 (07/943,273)	US	9/27/1994 (9/10/1992)	Multi-stripe array grating integrated cavity laser Poguntke, Kai R.; Soole, Julian B. D.
CA2143944 (CA2143944)	CA	6/29/1999 (9/9/1993)	Multi-stripe array grating integrated cavity laser Poguntke, Kai R.; Soole, Julian B. D.
5,353,283 (08/069,275)	US	10/4/1994 (5/28/1993)	General internet method for routing packets in a communications network Tsuchiya, Paul F.
5,371,532 (07/884,516)	US	12/6/1994 (5/15/1992)	Communications architecture and method for distributing information services Gelman, Alexander; Kobrinski, Haim; Smoot, Lanny S.; Weinstein, Stephen B.
5,381,407 (07/893,274)	US	1/10/1995 (6/4/1992)	Method and system for controlling user traffic to a fast packet switching system Chao, Hung-Hsiang J.
5,386,413 (08/034,444)	US	1/31/1995 (3/19/1993)	Fast multilevel hierarchical routing table lookup using content addressable memory McAuley, Anthony J.; Tsuchiya, Paul F.; Wilson, Daniel V.
5,442,623 (07/931,082)	US	8/15/1995 (8/17/1992)	Passive protected self healing ring network Wu, Tsong-Ho
5,446,807	US	8/29/1995	Passband-flattened acousto-optic polarization converter

(08/264,673)		(6/23/1994)	Baran, Jane E.; d'Alessandro, Antonio; Jackel, Janet L.
5,455,877 (08/330,040)	US	10/3/1995 (10/27/1994)	Multi-channel wavelength-routing switch using acousto-optic polarization converters Baran, Jane E.; Jackel, Janet L.
5,504,780 (08/178,228)	US	4/2/1996 (1/6/1994)	Adaptive equalizer using self-learning neural network Alspector, Joshua; Brown, Timothy X.; Jayakumar, Anthony
5,524,141 (08/310,913)	US	6/4/1996 (9/22/1994)	System and method for providing directory information over a telephony network using ADSI Braun, David A.; Nelson, Terence J.; Nilson, III, William A. E.; Smoot, Lanny S.
5,533,009 (08/383,400)	US	7/2/1996 (2/3/1995)	Bandwidth management and access control for an ATM network Chen, Wai
JP3088464 (JP08-523661)	JP	7/14/2000 (1/23/1996)	Bandwidth management and access control for an ATM network Chen, Wai
EP96906219.9	EP	1/23/1996	Bandwidth management and access control for an ATM network Chen, Wai
CA2186449 (CA2186449)	CA	6/20/2000 (1/23/1996)	Bandwidth management and access control for an ATM network Chen, Wai
SG34661 (SG199611550-6)	SG	12/21/1998 (1/23/1996)	Bandwidth management and access control for an ATM network Chen, Wai
MY112027 (MY9600398)	MY	3/31/2001 (2/3/1996)	Bandwidth management and access control for an ATM network Chen, Wai
5,157,654 (07/629,576)	US	10/20/1992 (12/18/1990)	Technique for resolving output port contention in a high speed packet switch

			Cisneros, Arturo
5,539,559 (07/934,098)	US	7/23/1996 (8/21/1992)	Apparatus and method for photonic contention resolution in a large ATM switch Cisneros, Arturo; Lakshman, Tirunell V.
5,539,884 (08/069,243)	US	7/23/1996 (5/28/1993)	Intelligent broadband communication system and method employing fast-packet switches Robrock, II, Richard B.
5,546,542 (08/158,665)	US	8/13/1996 (11/29/1993)	Method for efficiently determining the direction for routing a set of anticipated demands between selected nodes on a ring communication network Cosares, Steven T.; Saniee, Iraj; Wasem, Ondria J.
6,116,101 (09/097,879)	US	9/12/2000 (6/15/1998)	Method and apparatus for determining the intermateability of connector assemblies Rader, Dean
6,404,524 (09/438,003)	US	6/11/2002 (11/10/1999)	Method and system for securing wavelength division multiplex systems Etemad, Shahab
6,560,204 (09/260,109)	US	5/6/2003 (3/2/1999)	Method of estimating call level traffic intensity based on channel link measurements Rayes, Ammar
6,597,686 (09/063,684)	US	7/22/2003 (4/21/1998)	Apparatus and method for internet telephony routing Smyk, Darek A.
5,267,266 (07/881,046)	US	11/30/1993 (5/11/1992)	Fast converging adaptive equalizer using pilot adaptive filters Chen, Walter Y.
6,862,291 (09/829,385)	US	3/1/2005 (4/9/2001)	Method and system for quality of service provisioning for IP virtual private networks Talpade, Rajesh Rasik; Kim, Gi Tae; Samtani, Sunil; Wong, Larry H.; Mouchtaris, Petros
5,301,055 (08/039,546)	US	4/5/1994 (3/29/1993)	Scheduler for multicast cell transmission

			Bagchi, Anindo; Lakshman, Tirunell V.; Rastani, Kasra
5,301,333 (08/113,588)	US	4/5/1994 (8/27/1993)	Tree structured variable priority arbitration implementing a round-robin scheduling policy Lee, Kuo-Chu
7,159,026 (10/062,904)	US	1/2/2007 (1/31/2002)	Service performance correlation and analysis Lau, Richard C.; Tsai, Frank C. D.; Cisneros, Arturo
5,615,351 (08/499,334)	US	3/25/1997 (7/7/1995)	Method and system for correlating usage data in a distributed architecture Loeb, Shoshana K.
5,650,993 (08/407,882)	US	7/22/1997 (3/20/1995)	Drop from front of buffer policy in feedback networks Lakshman, Tirunell Viswanathan; Neidhardt, Arnold Leslie; Ott, Teunis Jan
CA2215934 (CA2215934)	CA	12/17/2002 (3/5/1996)	Drop from front of buffer policy in feedback networks Lakshman, Tirunell Viswanathan; Neidhardt, Arnold Leslie; Ott, Teunis Jan
5,680,390 (08/466,482)	US	10/21/1997 (6/6/1995)	Broadband telecommunications network and method of having operations systems support . Robrock, II, Richard Barker
5,732,078 (08/586,416)	US	3/24/1998 (1/16/1996)	On-demand guaranteed bandwidth service for internet access points using supplemental user-allocatable bandwidth network Arango, Mauricio
IN220/DEL/97	IN	1/27/1997	On-Demand Guaranteed Bandwidth Service for Internet Access Points Using Supplemental User-Allocatable Bandwidth Network Arengo, Mauricio
CA2291192 (CA2291192)	CA	12/30/2003 (5/22/1997)	System and method for equalizing delay in a dynamic packet switching network Cisneros, Arturo
DE69738082 (DE69738082.1)	DE	8/29/2007 (5/22/1997)	System and method for equalizing delay in a dynamic packet switching network Cisneros, Arturo

GB0983667 (GB97927702.7)	GB	8/29/2007 (5/22/1997)	System and method for equalizing delay in a dynamic packet switching network Cisneros, Arturo
JP3199386 (JP10-550314)	JP	6/15/2001 (5/22/1997)	System and method for equalizing delay in a dynamic packet switching network Cisneros, Arturo
5,930,018 (09/112,412)	US	7/27/1999 (7/9/1998)	Method and apparatus for controlling communications in a passive optical network Effenberger, Frank J.
5,999,291 (09/088,977)	US	12/7/1999 (6/2/1998)	Centralized wavelength distribution for wavelength division multiplexed systems Anderson, Gordon Emory

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;

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- (i) damages,
- (ii) injunctive relief, and
- (iii) any other remedies of any kind

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