

01-05-2000

101237600
... ONLY

FORM PTO-1595

(Rev. 6-93)

OMD NO. 0651-0011 exp. 4/94)

MCD 12.23.99

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Bay Networks, Inc.
4401 Great America Parkway
P.O. Box 58185
Santa Clara, CA 95052

Additional name(s) of conveying party(ies) attached?

☒ No ☐ Yes

2. Name and address of receiving party(ies):

Nortel Networks NA Inc.

Internal Address:

Street Address:

4401 Great America Parkway

P.O. Box 58185

Internal Address:

City: Santa Clara State: CaliforniaZip: 95052Country: United States of AmericaAdditional name(s) & address(es) attached? ☒ No ☐ Yes

3. Nature of Conveyance

☐ Assignment☐ Merger☐ Security Agreement☒ Change of Name☐ Other:

4. Application Number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

See Attached

B. Patent No.(s)

See Attached

Additional numbers attached? ☐ No ☒ Yes

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Blakely, Sokoloff, Taylor & Zafman LLP

Internal Address: _____

Street Address: 12400 Wilshire Boulevard, 7th FloorCity: Los Angeles State: California Zip: 900256. Total number of applications and patents involved: 155

7. Total Fee (37 CFR 3.41).....\$6,200.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit Account Number:

02-2666

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document*William W. Schaal

Name of Person Signing

Signature

12/20/99

Date

Total number of pages including cover sheet, attachments, and document: 33

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner of Patents, Box Assignments

Washington, D.C. 20231

Docket No. 003239.G006

01/04/2000 DMGUYEN 00000178 08245812

01 FC:581

6200.00 OF

PATENT
REEL: 010461 FRAME: 0283

**Patents and Patent Applications to Assign from
Bay Networks, Inc. to Nortel Networks NA Inc.**

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P011C	Receiving Port Security in a Network Concentrator	08/245,812 5,537,099	5/18/94 7/16/96
Inventors	James W. Dunne, Igor Lasic		
Assignee	Bay Networks, Inc.	Recorded 02/15/1996	Reel/Frame 7872/0131

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P042	Protocol Independent Switch	08/407,680 5,574,722	3/20/95 11/12/96
Inventors	Tom Slykhouse, Robert Smith, Dan Simone		
Assignee	Bay Networks, Inc.	Recorded 03/21/1995	Reel/Frame 7418/0419

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P062C	Method and Apparatus for Exchanging Information Between Application Programs According to a Drag and Drop Operation	08/791,007 5,724,532	1/27/97 3/3/98
Inventors	Allan Thomson		
Assignee	Bay Networks, Inc.	Recorded 10/27/1994	Reel/Frame 7206/0829

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P065C	Method and Apparatus for Generating a Display Based on Logical Groupings of Network Entities	08/931,587 5,805,819	9/16/97 9/8/98
Inventors	Jeffrey A. Chin, Frank S. Lee, Leon Y. K. Leong, Serene H. Fan		
Assignee	Bay Networks, Inc. Bay Networks, Inc.	Recorded 04/24/1995 04/24/1995	Reel/Frame 7460/0299 7460/0307

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P067	A Method and Apparatus for Configuring a Virtual Network	08/447,066 5,802,286	5/22/95 9/1/98
Inventors	Judy Y. Dere, Leon Y. K. Leong, Daniel A. Simone, Allan Thomson		
Assignee	Bay Networks, Inc.	Recorded 6/15/1998	Reel/Frame 9281/0291

Printed: 12/20/99

Page: 1

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P069	Method and Apparatus for Managing an Integrated Router/Hub	5,825,775	11/14/94 10/20/98
Inventors	Jeff Chin, Frank Lee, Leon Leong		
Assignee	Bay Networks, Inc.	Recorded 11/14/1994	Reel/Frame 7229/0123

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P076	Method and Apparatus for a Delayed Replace Mechanism for a Streaming Packet Modification Engine	08/490,983 5,541,920	6/15/95 7/30/96
Inventors	Geoff Ladwig, Richard Angle		
Assignee	Bay Networks, Inc.	Recorded 06/15/1995	Reel/Frame 7547/0324

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P077	Method for Determining the Topology of a Mixed-Media Network	08/630,384 5,850,397	4/11/96 12/15/98
Inventors	Ilan Raab, Nam N. Nguyen, Ai-Lan Chang, Gilbert D. Ho, Guruprasad S. Hadagali		
Assignee	Bay Networks, Inc.	Recorded 9/20/1996	Reel/Frame 8150/0715

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P078	Method and Apparatus for Detecting and Preventing Broadcast Storms on a Emulated Local Area Network	08/414,903 5,636,345	3/30/95 6/3/97
Inventors	Ezio Valdevit		
Assignee	Bay Networks, Inc.	Recorded 03/30/1995	Reel/Frame 7450/0231

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P081	Method and Apparatus for Defining Data Packet Formats	08/414,445 5,680,585	3/31/95 10/21/97
Inventors	Gregory O. Bruell		
Assignee	Bay Networks, Inc.	Recorded 03/31/1995	Reel/Frame 7438/0912

Printed: 12/20/99

Page: 2

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P082	Method and Apparatus for Routing for Virtual Networks	08/411,442 5,583,862	3/28/95 12/10/96
Inventors	Ross Callon		
Assignee	Bay Networks, Inc.	Recorded 03/28/1995	Reel/Frame 7411/0592

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P089	VLAN Frame Format	08/613,726 5,959,990	3/12/96 9/28/99
Inventors	Paul J. Frantz, Geoffrey O. Thompson		
Assignee	Bay Networks, Inc.	Recorded 03/12/1996	Reel/Frame 7957/0570

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P090	Data Path Architecture and Arbitration Scheme for Providing Access to a Shared System Resource	08/566,047 5,983,327	12/1/95 11/9/99
Inventors	Heather D. Achilles, Edward S. Harriman		
Assignee	Bay Networks, Inc.	Recorded 02/26/1996	Reel/Frame 7834/0956

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P090C	Data Path Architecture and Arbitration Scheme for Providing Access to a Shared System Resource	09/291,851	4/14/99
Inventors	Edward S. Harriman, Heather D. Achilles		
Assignee	Bay Networks, Inc.	Recorded 02/26/1996	Reel/Frame 7834/0956

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P095	Method and Apparatus for Controlling Data Flow within a Switching Device	08/501,483 5,732,080	7/12/95 3/24/98
Inventors	H. Earl Ferguson, Jeffrey Prince, Mike K. Noll, Randy Ryals, Derek H. Pitcher		
Assignee	Bay Networks, Inc.	Recorded 10/23/1995	Reel/Frame 7685/0648

Printed: 12/20/99

Page: 3

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P107	Method and Apparatus for Managing Exchange of Metrics in a Computer Network by Exchanging only Metrics used by a Node in the Network	08/511,393 5,600,794	8/4/95 2/4/97
Inventors	Ross Callon		
Assignee	Bay Networks, Inc.	Recorded 11/20/1995	Reel/Frame 7767/0230

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P109	Forwarding Internetwork Packets by Replacing the Destination Address	08/601,779 5,740,375	2/15/96 4/14/98
Inventors	Igor Lasic, Jim Dunne		
Assignee	Bay Networks, Inc.	Recorded 02/15/1996	Reel/Frame 7895/0432

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P110	Forwarding of Internetwork Packets to a Destination Network Via a Selected one of a Plurality of Paths	08/601,745 5,845,091	2/15/96 12/1/98
Inventors	Igor Lasic, Jim Dunne		
Assignee	Bay Networks, Inc.	Recorded 02/15/1996	Reel/Frame 7872/0131

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P111	Network Router that Routes Internetwork Packets Between Distinct Networks Coupled to the Same Physical Interface Using the Physical Interface	08/591,891 5,930,257	1/25/96 7/27/99
Inventors	Andrew Smith, Asher Waldfogel, Steven R. Willis		
Assignee	Bay Networks, Inc.	Recorded 04/29/1996	Reel/Frame 7920/0367

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P112	Method and Apparatus for Transmitting 10Base-T Signals Across a 100Base-X Physical Layer Device Service Interface	08/949,077	10/10/97
Inventors	Thomas W. Gandy		
Assignee	Bay Networks, Inc.	Recorded 02/23/1998	Reel/Frame 8979/0299

Printed: 12/20/99

Page: 4

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P112X	Method and Apparatus for Transmitting Dual Speed Ethernet Information (10Base-T and 100Base-TX) Across a Physical Layer Device Service Interface	08/979,020	11/26/97
Inventors	Thomas W. Gandy		
Assignee	Bay Networks, Inc.	Recorded 06/22/1998	Reel/Frame 9274/0776

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P113	Ethernet Topology Change Notification and Nearest Neighbor Determination	08/609,281 5,793,975	3/1/96 8/11/98
Inventors	Paul Zeldin		
Assignee	Bay Networks, Inc.	Recorded 07/29/1996	Reel/Frame 8062/0396

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P117	Method and Apparatus for Processing Data Packets in a Network	08/538,921 5,790,554	10/4/95 8/4/98
Inventors	Derek H. Pitcher, Earl Ferguson		
Assignee	Bay Networks, Inc.	Recorded 10/04/1995	Reel/Frame 7787/0989

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P118	Learning Internetwork Switch	08/569,580	12/8/95
Inventors	Steve Ames, Jan Bialkowski, Donal Byrne, Dennis Cave		
Assignee	Bay Networks, Inc.	Recorded 04/1/1996	Reel/Frame 7866/0880

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P119	System For Servicing Plurality Of Queues Responsive To Queue Service Policy On A Service Sequence Ordered To Provide Uniform And Minimal Queue Interservice Times	08/621,130 5,870,629	3/21/96 2/9/99
Inventors	Marty Borden, Nanying Yin		
Assignee	Bay Networks, Inc.	Recorded 03/21/1996	Reel/Frame 7932/0108

Printed: 12/20/99

Page: 5

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P121	Method for Establishing a Master-Slave Relationship in a Peer-to-Peer Network	08/858,776	5/19/97
Inventors	Geoffrey O. Thompson		
Assignee	Bay Networks, Inc.	Recorded 5/19/97	Reel/Frame 8573/0659

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P122	Method and Apparatus for Routing Packets in Networks Having Connection-Oriented Subnetworks	08/700,313	8/19/96
Inventors	Ross Callon		
Assignee	Bay Networks, Inc.	Recorded 02/26/1996	Reel/Frame 7934/0794

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P122C	Method and Apparatus for Routing Packets in Networks Having Connection-Oriented Subnetworks	08/683,863	7/18/96
		5,699,347	12/16/97
Inventors	Ross W. Callon		
Assignee	Bay Networks, Inc.	Recorded 02/26/1996	Reel/Frame 7834/0794

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P123	Method and Apparatus for Determining Multiple Minimally-Overlapping Paths Between Nodes in a Network	08/937,450	9/25/97
Inventors	Ross W. Callon		
Assignee	Bay Networks, Inc.	Recorded 08/20/1999	Reel/Frame 010034/0988

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P124	Method and Apparatus for Managing Virtual Circuits and Routing Packets in a Network/Subnetwork Environment (As Amended)	08/647,295	5/9/96
		5,854,899	12/29/98
Inventors	Ross W. Callon, Asher Waldfogel, Bill Salkewicz, Andrew Smith		
Assignee	Bay Networks, Inc.	Recorded 07/19/1996	Reel/Frame 8050/0472

Printed: 12/20/99

Page: 6

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P125	Method and Apparatus for Synchronizing Multiple Copies of a Database	08/636,664 5,970,502	4/23/96 10/19/99
Inventors	William M. Salkewicz, Ross W. Callon		
Assignee	Bay Networks, Inc.	Recorded 06/24/1996	Reel/Frame 8065/0881

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P127	Method and Apparatus for Allocating Shared Memory Resources	08/635,482	4/22/96
Inventors	Nanying Yin		
Assignee	Bay Networks, Inc.	Recorded 04/22/1996	Reel/Frame 7974/0921

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P128	Method and Apparatus for a Rate-Based Congestion Control in a Shared Memory Switch	08/643,540 5,864,539	5/6/96 1/26/99
Inventors	Nanying Yin		
Assignee	Bay Networks, Inc.	Recorded 05/06/1996 07/13/1998	Reel/Frame 7995/0315 9310/0269

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P129C	Method for Storing a Tree of Potential Keys in a Sparse Table	08/690,225 5,857,196	7/19/96 1/5/99
Inventors	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey B. Ladwig		
Assignee	Bay Networks, Inc.	Recorded 10/15/1996	Reel/Frame 8199/0337

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P130	Using a Lookup Processor to Search a Table of Keys Whose Entries Contain Instruction Pointer Values of Code to Execute if Key is Found (As Amended)	08/710,736 5,774,739	9/20/96 6/30/98
Inventors	Edward S. Harriman, Jr., Geoffrey B. Ladwig, Richard L. Angle		
Assignee	Bay Networks, Inc.	Recorded 11/19/1996	Reel/Frame 8236/0091

Printed: 12/20/99

Page: 7

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P130C	Method for Branching to an Instruction in a Computer Program at a Memory Address Pointed to by a Key in a Data Structure	09/062,787 5,935,235	4/16/98 8/10/99
Inventors	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey B. Ladwig		
Assignee	Bay Networks, Inc.	Recorded 11/19/1996	Reel/Frame 8236/0091

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P131	Radix Tree Search Logic	08,684,224 5,873,078	7/19/96 2/16/99
Inventors	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey B. Ladwig		
Assignee	Bay Networks, Inc.	Recorded 10/09/1996	Reel/Frame 8169/0792

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P132	Method and Apparatus for Multitasking in a Computer System	08/717,404 5,848,257	9/20/96 12/8/98
Inventors	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey B. Ladwig		
Assignee	Bay Networks, Inc.	Recorded 06/30/1997	Reel/Frame 8580/0736
	Bay Networks, Inc.	08/05/98	9356/0975

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P133	Method and Apparatus for Handling CACHE Misses in a Computer System	08/717,323 5,761,506	9/20/96 6/2/98
Inventors	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey B. Ladwig		
Assignee	Bay Networks, Inc.	Recorded 01/09/1997	Reel/Frame 8295/0414

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P133C	Method and Apparatus for Handling Cache Misses in a Computer System	09/062,393	4/17/98
Inventors	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey A. Ladwig		
Assignee	Bay Networks, Inc.	Recorded 01/09/1997	Reel/Frame 8295/0414

Printed: 12/20/99

Page: 8

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P134	Distributed Pipeline Memory Architecture for a Computer System	08/716,989	9/20/96
Inventors	Edward S. Harriman, Geoffrey B. Ladwig, Richard L. Angle		
Assignee	Bay Networks, Inc.	Recorded 11/25/1996	Reel/Frame 8240/0250

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P135	A Mechanism to Achieve Very Fast Failover in ATM Backbone Networks using Multi-Homed Circuits	08/758,189	11/25/96
Inventors	Donal M. Byrne		
Assignee	Bay Networks, Inc.	Recorded 11/25/1996	Reel/Frame 8384/0822

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P142	Method and Apparatus for Managing Parameter Settings Multiple Network Devices	08/624,021 5,774,667	3/27/96 6/30/98
Inventors	Elleanor T. Garvey, Danny J. Hansen		
Assignee	Bay Networks, Inc.	Recorded 05/30/1996	Reel/Frame 7979/0665

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P149	Method and Apparatus For Transmitting Data Frames Between Switches in a Meshed Data Network	08/820,948	3/19/97
Inventors	Bobby Johnson, Michael Yip, Earl Ferguson, Michael L. Goguen		
Assignee	Bay Networks, Inc.	Recorded 11/21/1997	Reel/Frame 8825/0443

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P155	Method of Performing a Network Management Transaction Using a Web-Capable Agent	08/901,198 5,996,010	7/28/97
Inventors	Leon Y.K. Leong, Duc H. Doan		
Assignee	Bay Networks, Inc.	Recorded 7/28/97	Reel/Frame 8653/0354

Printed: 12/20/99

Page: 9

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P155C	Method of Performing a Network Management Transaction Using a Web-Capable Agent		9/24/99
Inventors	Leon Y.K. Leong, Duc H. Doan		
Assignee	Bay Networks, Inc.	Recorded 07/28/1997	Reel/Frame 8653/0354

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P156	Method and Apparatus For Communicating Between A Network Workstation And An Internet	08/439,136 5,867,660	5/11/95 2/2/99
Inventors	Jonathan Schmidt, Lewis Donzis, Henry Donzis, John Murphy, Peter Baron		
Assignee	Bay Networks, Inc.	Recorded 11/02/1998	Reel/Frame 9567/0451

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P156D	Multiple User Internet System For Local Area Networks	09/227,022	1/7/99
Inventors	Jonathan Schmidt, Lewis Donzis, Henry Donzis, John Murphy, Peter Baron		
Assignee	Bay Networks, Inc.	Recorded 11/02/1998	Reel/Frame 9567/0451

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P157	Method and Apparatus for Controlling Admission of Connection Requests	08/726,061 5,982,748	10/3/96 11/9/99
Inventors	Nanying Yin, Steven R. Willis		
Assignee	Bay Networks, Inc.	Recorded 12/23/96	Reel/Frame 8280/0887

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P157C	Method and Apparatus for Controlling Admission of Connection Requests	09/365,350	7/29/96
Inventors	Nanying Yin, Steven R. Willis		
Assignee	Bay Networks, Inc.	Recorded 12/23/1996	Reel/Frame 8280/0887

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P158	A Printed Circuit Board Including a Terminated Plane and Method of Manufacturing the Same	08/747,397 5,898,576	11/12/96 4/27/99
Inventors	John J. Lockwood, Eddie J. Pavlu III		
Assignee	Bay Networks, Inc.	Recorded 11/12/1996	Reel/Frame 8306/0561

Printed: 12/20/99

Page: 10

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P159	Apparatus and Method for Providing Multiple Network Port Configurations	08/790,204	2/5/97
Inventors	Kevin G. Smith		
Assignee	Bay Networks, Inc.	Recorded 2/5/97	Reel/Frame 8554/0132

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P159C	Apparatus and Method for Providing Multiple Network Port Configurations	09/442,967	11/18/99
Inventors	Kevin G. Smith		
Assignee	Bay Networks, Inc.	Recorded 02/05/1997	Reel/Frame 8554/0132

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P160	Highly Programmable Backup Power Scheme	08/688,807 5,761,084	7/31/96 6/2/98
Inventors	Michael S. Edwards		
Assignee	Bay Networks, Inc.	Recorded 07/31/1996	Reel/Frame 8123/0981

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P162	MAC Address Table Search Unit	08/746,963 5,914,938	11/19/96 6/22/99
Inventors	David M. Brady, David A. Head, Suryanarayan Ramamurthy, Ahmad Esmaeili		
Assignee	Bay Networks, Inc.	Recorded 03/10/1997	Reel/Frame 8391/0988
	Bay Networks, Inc.	03/10/1997	8393/0498
	Bay Networks, Inc.	04/14/1997	8452/0510

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P163	Method for Providing a Key for Use in Searching a Table of Data Elements	09/021,970	2/11/98
Inventors	Jeff Weaver		
Assignee	Bay Networks, Inc.	Recorded 02/11/1998	Reel/Frame 9000/0652

Printed: 12/20/99

Page: 11

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P164	Hot Swap Control Circuit	08/728,202 5,881,251	10/10/96 3/9/99
Inventors Laurie P. Fung, Craig D. Lindberg			
Assignee Bay Networks, Inc.		Recorded 10/10/1996 Reel/Frame 8271/0859	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P165	Method and Apparatus for Mapping Asynchronous Ports to HDLC Addresses	08/707,871	9/9/96
Inventors Gary Malkin			
Assignee Bay Networks, Inc.		Recorded 09/09/1996 Reel/Frame 8155/0688	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P166	Method and Apparatus for Transparently Providing Mobile Network Functionality	08/714,407	9/16/96
Inventors Gary Malkin, Nancy Kossack, Paul Raison, Thuan Tran, Ellis Wong			
Assignee Bay Networks, Inc.		Recorded 02/10/1997 Reel/Frame 8351/0369	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P167	Method and Apparatus for Providing a User Profile Driven Remote Access System	08/715,012	9/17/96
Inventors Gary Malkin			
Assignee Bay Networks, Inc.		Recorded 12/23/1996 Reel/Frame 8284/0309	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P168	A Queue Service Interval-based Cell Scheduler with Hierarchical Queueing Configurations	08/696,272	8/13/96
Inventors Nanying Yin, Marty Borden, Shiping Li, Michael Hluchyj			
Assignee Bay Networks, Inc.		Recorded 10/15/96 Reel/Frame 8183/0388	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P168C	A Queue Service Interval-based Cell Scheduler with Hierarchical Queueing Configurations	09/440,548	11/15/99
Inventors Nanying Yin, Marty Borden, Shiping Li, Michael Hluchyj			
Assignee Bay Networks, Inc.		Recorded 10/15/1996 Reel/Frame 8183/0388	

Printed: 12/20/99

Page: 12

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P169	A Low Inductance Decoupling Capacitor Arrangement	08/716,842 5,731,960	9/19/96 3/24/98
Inventors	Laurie Fung		
Assignee	Bay Networks, Inc.	Recorded 09/19/1996	Reel/Frame 8204/0387

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P170	Method and Apparatus for Providing Quality of Service Routing in a Network	08/661,312 5,995,503	6/12/96
Inventors	Eric S. Crawley, Zhaohui Shang, William M. Salkewicz, Cheryl A. Sanches		
Assignee	Bay Networks, Inc.	Recorded 8/8/96; 6/12/98	Reel/Frame 8107/0462; 9252/0876

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P171	Method and Apparatus for Determining Alternate Routes in a Network Using a Connection-Oriented Protocol	08/710,267 5,953,312	9/13/96 9/14/99
Inventors	Eric S. Crawley, Paul N. Goransson, Shu Ching Shieh, Gregory A. Burch		
Assignee	Bay Networks, Inc.	Recorded 11/04/1996	Reel/Frame 8206/0222

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P172	A Method and Apparatus for Direct Manipulation of Bit Fields Contained in a Memory Source	08/748,603	11/13/96
Inventors	Edward S. Harriman		
Assignee	Bay Networks, Inc.	Recorded 11/13/96	Reel/Frame 8352/0012

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P173	A Method and Apparatus For Performing Lane Arithmetic to Perform Network Processing	08/902,396	7/29/97
Inventors	Geoff Ladwig, Edward S. Harriman		
Assignee	Bay Networks, Inc.	Recorded 04/30/1998	Reel/Frame 9179/0353

Printed: 12/20/99

Page: 13

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P174	Method and Apparatus for Maintaining an Order of Data Packets	08/708,895	9/5/96
Inventors	Edward S. Harriman, Richard L. Angle, Geoffrey B. Ladwig		
Assignee	Bay Networks, Inc.	Recorded 11/18/1996	Reel/Frame 8226/0759
	Bay Networks, Inc.	02/10/1997	8339/0764

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P175	System for Generating Explicit Routing Advertisements to Specify a Selected Path Through a Connectionless Network to a Destination by a Specific Router	08/661,311 5,881,246	6/12/96 3/9/99
Inventors	Eric S. Crawley, Zhaohui Zhang, William M. Salkewicz		
Assignee	Bay Networks, Inc.	Recorded 08/08/1996	Reel/Frame 8072/0337

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P176	Memory Architecture for a Local Area Network in an ATM Switch	08/679,668 5,809,024	7/12/96 9/15/98
Inventors	H. Earl Ferguson, Jeff Prince, Randy Ryals, Gururaj Singh, Michael Yip		
Assignee	Bay Networks, Inc.	Recorded 11/25/1996	Reel/Frame 8238/0954

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P177	Automatic Speed Sensing in a Token Ring Local Area Network	08/680,568	7/12/96
Inventors	Michael Noll, H. Earl Ferguson, Randy Ryals		
Assignee	Bay Networks, Inc.;	Recorded 11/27/1996	Reel/Frame 8242/0264
	Bay Networks, Inc.	11/27/1996	8245/0727

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P178	Configuration of Virtual Rings in a Token Ring Local Area Network	08/679,090 5,802,056	7/12/96 9/1/98
Inventors	H. Earl Ferguson, Bobby R. Johnson, Jr., Randy Ryals		
Assignee	Bay Networks, Inc.	Recorded 11/12/1996	Reel/Frame 8217/0274
	Bay Networks, Inc.	11/12/1996	8217/0266

Printed: 12/20/99

Page: 14

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P179	Method and Apparatus for Monitoring a Dedicated Communications Medium in a Switched Data Network	08/714,930	9/27/96
Inventors	Ilan Raab, Robert W. Smith, David B. Stevens, Sri Reddy		
Assignee	Bay Networks, Inc.	Recorded 9/27/96	Reel/Frame 8228/0764

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P180X	VLAN Frame Format	08/705,631	8/30/96
Inventors	Paul Frantz, Geoffrey Thompson		
Assignee	Bay Networks, Inc.	Recorded 03/12/1996	Reel/Frame 7957/0570

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P181	Apparatus for Performing an Atomic Add Instructions	08/721,267 5,838,960	9/26/96 11/17/98
Inventors	Edward S. Harriman, Jr.		
Assignee	Bay Networks, Inc.	Recorded 12/17/1996	Reel/Frame 8272/0557

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P183	Method and Apparatus for Multicast Routing in a Network	08/722,480	9/27/96
Inventors	Eric S. Crawley		
Assignee	Bay Networks, Inc.	Recorded 11/29/1996	Reel/Frame 8247/0425

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P188	Method and Apparatus for Generating an Error Detection Code for a Modified Data Packet Derived from an Original Data Packet	08/868,784 5,935,268	6/3/97 8/10/99
Inventors	Jeffrey C. Weaver		
Assignee	Bay Networks, Inc.	Recorded 06/04/1997	Reel/Frame 8602/0477

Printed: 12/20/99

Page: 15

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P189	Method and Apparatus for Locating and Isolating a Fault Within a Token Ring Network	08/879,831	6/20/97
Inventors	Wilson C.W. Luk, Keith S. Fischer, Kenrick M. Kutzler		
Assignee	Bay Networks, Inc.	Recorded 06/20/1997	Reel/Frame 8615/0721

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P195	Method and Apparatus for Communicating Data and Management Information	08/869,440	6/4/97
Inventors	Keith S. Fischer, Corey A. Selby, Robert W. Smith, Kevin G. Smith		
Assignee	Bay Networks, Inc.	Recorded 9/2/97	Reel/Frame 8699/0299

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P198	A Method and Apparatus for Providing a Multiple-Ring Token Ring Hub Expansion	08/820,568	3/19/97
Inventors	Keith Fischer, Corey Selby, Kevin G. Smith		
Assignee	Bay Networks, Inc.	Recorded 8/14/97	Reel/Frame 8713/0898; 8713/0854

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P199	A Method and Apparatus for Dynamically Expanding a Token Ring Back Plane	08/841,004	4/22/97
Inventors	Keith Fischer, Corey Selby, Kevin G. Smith		
Assignee	Bay Networks, Inc.	Recorded 10/14/1997	Reel/Frame 8758/0646
	Bay Networks, Inc.	10/14/1997	8758/0640

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P200	Method and Apparatus for Minimizing Calculations Required to Construct Multicast Trees	08/984,453	12/3/97
Inventors	Zhaohui Zhang		
Assignee	Bay Networks, Inc.	Recorded 05/04/1998	Reel/Frame 9159/0962

Printed: 12/20/99

Page: 16

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

PATENT
REEL: 010461 FRAME: 0299

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P202	Apparatus For Modulating and Demodulating Digital Data	09/073,902	5/6/98
Inventors	Milan Vlajnic		
Assignee	Bay Networks, Inc.	Recorded 05/06/1998	Reel/Frame 9177/0666

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P204	Method For Dynamically Downloading A Software Image To A Digital Processing System	09/012,127	1/22/98
Inventors	Milan Vlajnic, Michael Livshits		
Assignee	Bay Networks, Inc.	Recorded 01/22/1998	Reel/Frame 8968/0095

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P205	Method and Apparatus For Providing Proxy Extensions of the Dynamic Host Configuration Protocol	08/821,848	3/21/97
Inventors	Gary Malkin, Nancy Kossack, Paul Raison		
Assignee	Bay Networks, Inc.	Recorded 07/15/1997	Reel/Frame 8606/0608

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P206	Auto-synchronous Interface Detection	08/822,051	3/24/97
Inventors	Anthony J. Bellofatto		
Assignee	Bay Networks, Inc.	Recorded 07/18/1997	Reel/Frame 8611/0848

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P209	Method and Apparatus for Routing Data Using Router Identification Information	08/982,873	12/2/97
Inventors	Zhaohui Zhang		
Assignee	Bay Networks, Inc.	Recorded 05/04/1998	Reel/Frame 9159/0947

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P211	Method and Apparatus for Redirecting Packets Using Encapsulation	08/822,848	3/24/97
Inventors	Gary Scott Malkin		
Assignee	Bay Networks, Inc.	Recorded 08/18/1997	Reel/Frame 8665/0820

Printed: 12/20/99

Page: 17

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

PATENT
REEL: 010461 FRAME: 0300

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P212	Method and Apparatus For Servicing Multiple Queues	08/792,099 5,926,458	1/31/97 7/20/99
Inventors Nanying Yin			
Assignee Bay Networks, Inc.			
		Recorded 04/08/1997 Reel/Frame 8448/0170	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P213	Method and Apparatus for Proxying IP Multicast Membership Reports	08/829,889	4/2/97
Inventors Derek Pitcher, Kishore K. Seshadri, Daniel A. Simone			
Assignee Bay Networks, Inc.			
		Recorded 04/02/1997 Reel/Frame 8505/0175	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P214	Method and Apparatus For Performing Per-Port IP Multicast Pruning and Generation of Pseudo IP Multicast Group Membership Queries	08/832,042	4/2/97
Inventors Derek Pitcher, Kishore K. Seshadri, Daniel A. Simone			
Assignee Bay Networks, Inc.			
		Recorded 04/02/1997 Reel/Frame 8507/0038	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P218	Method and Apparatus for Congestion Control by Communicating Information Between the ATM and TCP Layers of an IP/ATM Internetwork	09/060,220	4/14/98
Inventors Nanying Yin, Shantigram Jagannath			
Assignee Bay Networks, Inc.			
		Recorded 06/26/1998 Reel/Frame 9278/0922	

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P219	Method and Apparatus for Locating and Isolating a Fault Within a Token Ring Network	08/879,732	6/20/97
Inventors Wilson C.W. Luk, Keith S. Fischer, Kenrick M. Kutzler			
Assignee Bay Networks, Inc.			
		Recorded 06/20/1997 Reel/Frame 8615/0934	

Printed: 12/20/99

Page: 18

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P224	Symbol Based Algorithm for Hardware Implementation of Cyclic Redundancy Check	09/176,055	10/20/98
Inventors	Rajesh G. Nair, Gerry Ryan, Farivar Farzaneh		
Assignee	Bay Networks, Inc.	Recorded 02/01/1999	Reel/Frame 010041/0335009732/0502

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P225	Efficient Path Based Forwarding and Multicast Forwarding	09/106,797	6/29/98
Inventors	Milan Momirov		
Assignee	Bay Networks, Inc.	Recorded 06/29/1998	Reel/Frame 9303/0100

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P226	Longest Best Match Search	09/107,039	6/29/98
Inventors	Van A. Hunter, Milan Momirov		
Assignee	Bay Networks, Inc.	Recorded 06/29/1998	Reel/Frame 9287/0057

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P227	Early Availability of Forwarding Control Information	09/036,374	3/6/98
Inventors	Milan Momirov		
Assignee	Bay Networks, Inc.	Recorded 06/30/1998	Reel/Frame 9301/0885

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P229	Efficient Search and Organization of a Forwarding Database or the Like	09/118,671	7/17/98
Inventors	Van A. Hunter, Milan Momirov		
Assignee	Bay Networks, Inc.	Recorded 07/17/1998	Reel/Frame 9337/0167

Printed: 12/20/99

Page: 19

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

PATENT
REEL: 010461 FRAME: 0302

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P232	Optimizing Flow Detection and Reducing Control Plane Processing in a Multi-Protocol Over ATM (MPOA) System	09/058,693	4/10/98
Inventors	Brian Brown, Jeanne Haney, James Mangin, Derek H. Pitcher, Kishire K. Seshadri		
Assignee	Bay Networks, Inc.	Recorded 04/10/1998	Reel/Frame 9099/0174
	Bay Networks, Inc.	07/30/1998	9334/0920

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P233	Method and Apparatus For Providing Configuration Information In A Network	09/010,391	1/21/98
Inventors	Gerry White		
Assignee	Bay Networks, Inc.	Recorded 01/21/1998	Reel/Frame 8974/0375

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P236	Method for Synchronizing Network Address Translator (NAT) Tables Using the Server Cache Synchronization Protocol	09/137,571	8/21/98
Inventors	James V. Luciani		
Assignee	Bay Networks, Inc.	Recorded 01/04/1999	Reel/Frame 9675/0025

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P238	Method and Apparatus for Communicating Data Across Multiple Communication Links	09/110,104	7/1/98
Inventors	Gary S. Malkin		
Assignee	Bay Networks, Inc.	Recorded 07/01/1998	Reel/Frame 9322/0230

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P239	Method and Apparatus for Providing Network Access Control Using a Domain Name System	09/104,462	6/24/98
Inventors	Scott A. Strenzsich, Lewis T. Donzis		
Assignee	Bay Networks, Inc.	Recorded 08/05/1998	Reel/Frame 9356/0922

Printed: 12/20/99

Page: 20

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P240	Method and Apparatus for Automatic Frame Type Detection in a Network	09/081,882	5/19/98
Inventors	John A. Murphy		
Assignee	Bay Networks, Inc.	Recorded 05/19/1998	Reel/Frame 9192/0380

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P241	Method and Apparatus for Controlling Access to Network Information Sources	09/049,855	3/27/98
Inventors	Richard Y. Murata		
Assignee	Bay Networks, Inc.	Recorded 03/27/1998	Reel/Frame 9078/0661

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P242	Method and Apparatus for Implementing a 32-Bit Operating System Which Supports 16-Bit Code	09/045,349	3/19/98
Inventors	Earnest E. Hughes		
Assignee	Bay Networks, Inc. Bay Networks, Inc.	Recorded 3/20/98 3/19/98	Reel/Frame 9076/0592 010220/0655

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P243	Method and Apparatus For Installing Drivers Without Requiring System Re-Boot	09/026,162	2/19/98
Inventors	Richard Y. Murata		
Assignee	Bay Networks, Inc.	Recorded 05/11/1998	Reel/Frame 9174/0990

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P244	Stackable Switch Port Collapse Mechanism	09/107,177	6/29/98
Inventors	Ronald M. Salett, Nicholas Ilyadis, David B. Fite, Jr.		
Assignee	Bay Networks, Inc.	Recorded 08/31/1998	Reel/Frame 9418/0578

Printed: 12/20/99

Page: 21

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P247	Method and Apparatus for Forwarding Data Through Local Multi-Link Trunks	09/107,210	6/29/98
Inventors	Nicholas Ilyadis, David B. Fite, Jr., Ronald M. Salett		
Assignee	Bay Networks, Inc.	Recorded 08/25/1998	Reel/Frame 9408/0443

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P249	Method and Apparatus for Performing Radix Lookups Using Transition Tables with Pointers	09/108,751	7/1/98
Inventors	Geoff Ladwig, Richard Angle		
Assignee	Bay Networks, Inc.	Recorded 10/22/1998	Reel/Frame 9542/0490

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P252	Method and Apparatus for Establishment of Temporary Accounts at an Internet Service Provider	09/098,408	6/16/98
Inventors	Naganand Doraswamy, William Hawe		
Assignee	Bay Networks, Inc.	Recorded 06/16/1998	Reel/Frame 9260/0337

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P253	Method and Apparatus for Providing a Connectionless Cell Scheduler	09/164,945	10/1/98
Inventors	Paul Bottorff		
Assignee	Bay Networks, Inc.	Recorded 10/01/1998	Reel/Frame 9496/0299

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P255	Method for Synchronizing Network Address Translator (NAT) Tables Using the Open Shortest Path First Opaque Link State Advertisement Option Protocol	09/107,097	6/29/98
Inventors	James Luciani		
Assignee	Bay Networks, Inc.	Recorded 08/11/1998	Reel/Frame 9390/0758

Printed: 12/20/99

Page: 22

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P258	Method and Apparatus For Automatically Configuring a Network Switch	09/079,890	5/15/98
Inventors	Tal I. Lavian, Stephen Lau, Lyndon Y. Ong		
Assignee	Bay Networks, Inc.	Recorded 06/22/1998	Reel/Frame 9271/0113

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P261	Method and Apparatus for a Cable Modem Upstream RF Switching System	09/109,258	6/30/98
Inventors	J. David Unger		
Assignee	Bay Networks, Inc.	Recorded 06/30/1998	Reel/Frame 9334/0167

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P263X	Method and Apparatus for Monitoring a Dedicated Communications Medium in a Switched Data Network	09/108,113	6/30/98
Inventors	Reuven Moskovich, Yuval Shvirsky, Bill Hawe		
Assignee	Bay Networks, Inc.	Recorded 09/25/1998	Reel/Frame 9488/0910

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P264	Network Apparatus with Java Co-Processor	09/080,143	5/15/98
Inventors	Tal I. Lavian		
Assignee	Bay Networks, Inc.	Recorded 06/22/1998	Reel/Frame 9272/0024

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P266	Method and Apparatus for Performing Radix Lookups Using Valid Bit Tables with Pointers	09/108,711	7/1/98
Inventors	Geoff Ladwig, Richard Angle		
Assignee	Bay Networks, Inc.	Recorded 10/22/1998	Reel/Frame 9543/0058

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P267	Method and Apparatus for Performing Hash Lookups Using Valid Bit Tables with Pointers	09/108,469	7/1/98
Inventors	Geoff Ladwig, Richard Angle		
Assignee	Bay Networks, Inc.	Recorded 10/26/1998	Reel/Frame 9544/0670

Printed: 12/20/99

Page: 23

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P268	Method and Apparatus for Performing Compressed Radix Lookups Using Transition Tables	09/108,468	7/1/98
Inventors	Geoff Ladwig, Richard Angle		
Assignee	Bay Networks, Inc.	Recorded 10/30/1998	Reel/Frame 9558/0616

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P269	SS7-Internet Gateway Access Signaling Protocol	09/246,578	2/8/99
Inventors	Robert J. Dalias, Lyndon Y. Ong, Jiri Matousek		
Assignee	Bay Networks, Inc.	Recorded 05/06/1999	Reel/Frame 9938/0088

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P270	Method and Apparatus for Preserving Frame Ordering Across Aggregated Links Between Source and Destination Nodes	09/131,141	8/7/98
Inventors	Mohan V. Kalkunte, James L. Mangin, Ian Crayford		
Assignee	Bay Networks, Inc.	Recorded 10/08/1998	Reel/Frame 9515/0716

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P270C	Method and Apparatus to Preserve Flow Order Across Links of an MLT	09/213,096	12/17/98
Inventors	Mohan V. Kalkunte, James L. Mangin, Ian Crayford		
Assignee	Bay Networks, Inc.	Recorded 12/17/1998	Reel/Frame 9667/0803

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P270C2	Method and Apparatus for Preserving Frame Ordering Across Aggregated Links Supporting a Plurality of Transmission Rates	09/271,011	3/17/99
Inventors	Mohan V. Kalkunte, James L. Mangin, Ian Crayford		
Assignee	Bay Networks, Inc.	Recorded 10/08/1998	Reel/Frame 9515/0716

Printed: 12/20/99

Page: 24

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

PATENT
REEL: 010461 FRAME: 0307

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P270C3	Method and Apparatus for Preserving Frame Ordering Across Aggregated Links Supporting a Plurality of Quality of Service Levels	09/271,008	3/17/99
Inventors	Mohan V. Kalkunte, James L. Mangin, Ian Crayford		
Assignee	Bay Networks, Inc.	Recorded 10/08/1998	Reel/Frame 9515/0716

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P273	Method and Apparatus for Providing Differentiated Services Using a Multi-Level Queuing Mechanism	09/195,573	11/18/98
Inventors	Kathleen M. Nichols		
Assignee	Bay Networks, Inc.	Recorded 11/18/1998	Reel/Frame 9600/0807

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P275	Method and Apparatus for Secure Data Storage Using Distributed Databases	09/128,350	8/3/98
Inventors	Thomas P. Hardjono		
Assignee	Bay Networks, Inc.	Recorded 08/03/1998	Reel/Frame 9370/0486

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P276	Method and Apparatus for Providing and Facilitating Interaction with Distributed Manager Information of a Network	09/145,050	9/1/98
Inventors	Joan E. Cucchiara		
Assignee	Bay Networks, Inc.	Recorded 09/01/1998	Reel/Frame 9435/0918

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P277	Method and Apparatus for Virtual Overlay Networks	09/109,343	6/30/98
Inventors	Shantigram Jagannath, Naganand Doraswamy, Andre Fredette		
Assignee	Bay Networks, Inc.	Recorded 10/09/1998	Reel/Frame 9504/0047

Printed: 12/20/99

Page: 25

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

PATENT

[REEL: 010461 FRAME: 0308

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P279	Method and Apparatus for Dynamically Controlling the Provision of Differentiated Services	09/222,340	12/28/98
Inventors	William F. Terrell, James V. Luciani		
Assignee	Bay Networks, Inc.	Recorded 03/03/1999	Reel/Frame 9795/0786

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P280	Method and Apparatus for Network Caching and Load Balancing	09/107,069	6/30/98
Inventors	Matthew B. Squire, James V. Luciani		
Assignee	Bay Networks, Inc.	Recorded 09/08/1998	Reel/Frame 9451/0452

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P281	Method and Apparatus Providing For Multiple Virtual Local Area Network Groups	09/222,045	12/29/98
Inventors	Ayikudy K. Srikanth, Rahul Mehta		
Assignee	Bay Networks, Inc.	Recorded 03/15/1999	Reel/Frame 9825/0605

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P285	A Connector Assembly Having a Plurality of Electrical Connectors	09/112,070	7/8/98
Inventors	Robert J. Stellman, Pamela E. Wright		
Assignee	Bay Networks, Inc.	Recorded 07/08/1998	Reel/Frame 9325/0159

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P302	Method for Transmitting Label Switching Control Information Using The Open Shortest Path First Opaque Link State Advertisement Option Protocol	09/100,590	6/19/98
Inventors	Shantigram Jagannath, Jim Luciani, Naganand Doraswamy		
Assignee	Bay Networks, Inc.	Recorded 06/19/1998	Reel/Frame 9262/0911

Printed: 12/20/99

Page: 26

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P303	Network Apparatus With Removable Electronic Module	09/072,410	5/4/98
Inventors	Dave Unger, David J. Berman, Christopher Grobicki, Lance J. McNally, Mark Shufelt, John Ulm		
Assignee	Bay Networks, Inc.	Recorded 09/25/1998	Reel/Frame 9478/0175

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P305	MULTIPOINT NETWORK ROUTING PROTOCOL	09/270,930	3/16/99
Inventors	Jeffrey Charles Weaver		
Assignee	Bay Networks, Inc.	Recorded 03/16/1999	Reel/Frame 9840/0129

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P306	Bandwidth Optimized Input/Output Bus And Protocol	09/227,384	1/8/99
Inventors	Peter B. Beaulieu, Michael W. Fortuna, Bruce D. Miller, Roland T. Provencher, Larnie S. Rabinowitz, Douglass E. Walker		
Assignee	Bay Networks, Inc.	Recorded 02/22/1999	Reel/Frame 9778/0728

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P307	Method and Apparatus for Establishing a Frame Relay Switched Virtual Circuit Supporting Dynamic Bandwidth Renegotiation	09/104,460	6/24/98
Inventors	Patrick A. Paraggio		
Assignee	Bay Networks, Inc.	Recorded 09/03/1998	Reel/Frame 9440/0658

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P309	ISDN Callback with Initial Call Reject	09/160,850	9/25/98
Inventors	Lewis Donzis, Jonathan Schmidt, Howard Bahr		
Assignee	Bay Networks, Inc.	Recorded 09/25/1998	Reel/Frame 9486/0981

Printed: 12/20/99

Page: 27

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P310	Providing Admission Control and Network Quality of Service with a Distributed Bandwidth Broker	09/195,348	11/18/98
Inventors	Shenze Chen, Norival R. Figueira		
Assignee	Bay Networks, Inc.	Recorded 11/18/1998	Reel/Frame 9598/0957

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P313	Backpressure Mechanism for a Network Device	09/311,995	5/14/99
Inventors	Richard L. Angle, Shantigram V. Jagannath, Geoffrey B. Ladwig, Nanying Yin		
Assignee	Bay Networks, Inc.	Recorded 05/14/1999	Reel/Frame 9989/0772

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P314	Multicast Scheduling for a Network Device	09/311,942	5/14/99
Inventors	Richard L. Angle, Shantigram V. Jagannath, Geoffrey B. Ladwig, Nanying Yin		
Assignee	Bay Networks, Inc.	Recorded 05/14/1999	Reel/Frame 9978/0505

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P315	Programmable Multicast Scheduling for a Network Device	09/311,833	5/14/99
Inventors	Richard L. Angle, Shantigram V. Jagannath, Geoffrey B. Ladwig, Nanying Yin		
Assignee	Bay Networks, Inc.	Recorded 05/14/1999	Reel/Frame 9981/0391

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P316	Multicast and Unicast Scheduling for a Network Device	09/311,834	5/14/99
Inventors	Richard L. Angle, Shantigram V. Jagannath, Geoffrey B. Ladwig, Nanying Yin		
Assignee	Bay Networks, Inc.	Recorded 05/14/1999	Reel/Frame 9985/0387

Printed: 12/20/99

Page: 28

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P317	Hierarchical Multicast Traffic Security System in an Internetwork	09/246,259	2/8/99
Inventors	Yunzhou Li		
Assignee	Bay Networks, Inc.	Recorded 04/22/1999	Reel/Frame 9906/0084

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P318	Method for Key Distribution in a Hierarchical Multicast Traffic Security System for an Internetwork	09/245,180	2/5/99
Inventors	Yunzhou Li		
Assignee	Bay Networks, Inc.	Recorded 02/05/1999	Reel/Frame 9761/0583

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P321	Method And Apparatus for Increasing Data Rates In A Data Network While Maintaining System Coherency	09/228,003	1/8/99
Inventors	Michael W. Fortuna, Peter B. Beaulieu, Bruce D. Miller, Roland T. Provencher, Larnie S. Rabinowitz, Douglass E. Walker		
Assignee	Bay Networks, Inc.	Recorded 02/22/1999	Reel/Frame 9775/0573

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P322	Method and Apparatus for Initialization of a Cable Modem	09/126,557	7/30/98
Inventors	J. David Unger, John Ulm, Eugene E. O'Neil, Wilson Sawyer		
Assignee	Bay Networks, Inc.	Recorded 07/31/1998	Reel/Frame 9390/0649

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P323	Method and Apparatus for Dynamically Renegotiating the Bandwidth of an Established Frame Relay Switched Virtual Circuit	09/104,458	6/24/98
Inventors	Patrick A. Paraggio		
Assignee	Bay Networks, Inc.	Recorded 09/08/1998	Reel/Frame 9450/0756

Printed: 12/20/99

Page: 29

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P334	A Flow Detection Scheme to Support QOS Flows Between Source and Destination Nodes	09/252,430	2/18/99
Inventors	James Mangin, Mohan Kalkunte, Derek Pitcher		
Assignee	Bay Networks, Inc.	Recorded 02/18/1999	Reel/Frame 9792/0020

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P336	Common-Mode Voltage Probe for Predicting EMI From Unshielded Differential-Pair Cables	09/205,025	12/3/98
Inventors	Neven Pischl, John Lockwood		
Assignee	Bay Networks, Inc.	Recorded 12/03/1998	Reel/Frame 9629/0543

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P339	Method And Apparatus For Enabling A View Of Data Across A Database	09/253,103	2/19/99
Inventors	Rick Weber		
Assignee	Bay Networks, Inc.	Recorded 07/16/1999	Reel/Frame 9944/0804

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P340	Method and Apparatus for Finding a Target Object Instance Across a Database	09/251,895	2/19/99
Inventors	Rick Weber		
Assignee	Bay Networks, Inc.	Recorded 05/10/1999	Reel/Frame 9944/0769

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P341	Method and Apparatus for Filtering a Notification Message From a Database	09/253,105	2/19/99
Inventors	Rick Weber		
Assignee	Bay Networks, Inc.	Recorded 05/10/1999	Reel/Frame 9943/0805

Docket No.	Title	App. No. Patent No.	Filing Date Issue Date
082771.P342	Method and Apparatus for Support of IP Differentiated Services Over MPOA	09/245,792	2/5/99
Inventors	Ivy Hsu, Matthew Squire, Paul Bottorff		
Assignee	Bay Networks, Inc.	Recorded 02/05/1999	Reel/Frame 9759/0774

Printed: 12/20/99

Page: 30

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
(714) 557-3800

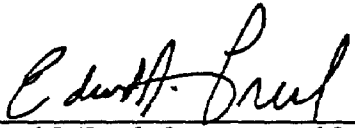
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "BAY NETWORKS, INC.", CHANGING ITS NAME FROM "BAY NETWORKS, INC." TO "NORTEL NETWORKS NA INC.", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF APRIL, A.D. 1999, AT 9 O'CLOCK A.M.



2090048 8100

991329905



Edward J. Freel, Secretary of State

AUTHENTICATION:

9911479

DATE:

08-09-99

PATENT

REEL: 010461 FRAME: 0314

**CERTIFICATE OF AMENDMENT
OF THE CERTIFICATE OF INCORPORATION OF
BAY NETWORKS, INC.**

Bay Networks, Inc., a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), hereby certifies as follows:

1. The name of this corporation is Bay Networks, Inc.
2. The original Certificate of Incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on May 2, 1986.
3. The Certificate of Incorporation of this corporation is hereby amended, effective April 29, 1999, by changing the Article I thereof to read as follows:

"The name of this corporation is Nortel Networks NA Inc."

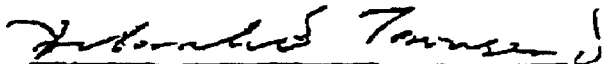
4. The Amendment to Certificate of Incorporation of this corporation has been approved by the Board of Directors of the Corporation, which declared that said Amendment was advisable, and by all of the Stockholders in accordance with Sections 228 and 242 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, Bay Networks, Inc. has caused this Certificate to be signed by its Executive Vice President and Assistant Secretary this 29th day of April, 1999.

Bay Networks, Inc.


By: David J. Rynne
Title: Executive Vice President

Attest:


DEBORAH TOWNSEND, Assistant Secretary

6122654.1

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 04/30/1999
991171575 - 2090048