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Patent and Trademark Office

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1. Name of conveying party(ies):  
**Nortel Networks NA Inc.**  
  
Additional name(s) of conveying party(ies) attached?  
 No  Yes

2. Name and address of receiving party(ies):  
**Nortel Networks Corporation**  
  
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**8<sup>th</sup> Floor**  
  
Street Address: **380 St. Antoine Street West**  
City: **Montreal** Province: **Quebec**  
Country: **CANADA**  
Additional name(s) & address(es) attached?  No  Yes


3. Nature of Conveyance  
 Assignment  Merger  
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 Other:  
Execution Date(s): **December 29, 1999**

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) B. Patent No.(s)  
Additional numbers attached?  No  Yes

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Internal Address: \_\_\_\_\_  
Street Address: **12400 Wilshire Boulevard, 7<sup>th</sup> Floor**  
City: **Los Angeles** State: **California** Zip: **90025**

6. Total number of applications and patents involved: **156**  
  
7. Total Fee (37 CFR 3.41).....\$6,240.00  
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*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  December 30, 1999  
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PATENT  
REEL: 010547 FRAME: 0891

**Appendix A**  
**Patents and Patent Applications to Assign from**  
**Nortel Networks NA Inc. to Nortel Networks Corporation**

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

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

<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Allan Thomson		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.		
	<b>Recorded</b>	10/27/1994	<b>Reel/Frame</b> 7206/0829

<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Jeffrey A. Chin, Frank S. Lee, Leon Y. K. Leong, Serene H. Fan		
<b>Assignee</b>	Bay Networks, Inc. Bay Networks, Inc. Nortel Networks NA Inc.		
	<b>Recorded</b>	04/24/1995	<b>Reel/Frame</b> 7460/0299 7460/0307

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
082771.P072	System for Transmitting Data Between Systems Using Selected Subsets of Plural Interconnecting Bus Lines and Including Selection of a Compatible Transmission Speed	08/161,208 5,442,750	12/2/93 8/15/95
<b>Inventors</b>	Edward S. Harriman		
<b>Assignee</b>	Wellfleet Communications Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 07/24/1992 09/11/1995	<b>Reel/Frame</b> 6192/0922 7644/0437

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Geoff Ladwig, Richard Angle		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 06/15/1995	<b>Reel/Frame</b> 7547/0324

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**PATENT**  
**REEL: 010547 FRAME: 0893**

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Ezio Valdevit		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 03/30/1995	<b>Reel/Frame</b> 7450/0231

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0894**

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Heather D. Achilles, Edward S. Harriman		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 02/26/1996	<b>Reel/Frame</b> 7834/0956

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	H. Earl Ferguson, Jeffrey Prince, Mike K. Noll, Randy Ryals, Derek H. Pitcher		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 10/23/1995	<b>Reel/Frame</b> 7685/0648

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Ross Callon		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/20/1995	<b>Reel/Frame</b> 7767/0230

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**PATENT**  
**REEL: 010547 FRAME: 0895**

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Igor Lasic, Jim Dunne		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.		
		<b>Recorded</b>	02/15/1996 <b>Reel/Frame</b> 7872/0131

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Andrew Smith, Asher Waldfogel, Steven R. Willis		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.		
		<b>Recorded</b>	04/29/1996 <b>Reel/Frame</b> 7920/0367

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Thomas W. Gandy		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.		
		<b>Recorded</b>	02/23/1998 <b>Reel/Frame</b> 8979/0299

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**PATENT**  
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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Thomas W. Gandy		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 06/22/1998	<b>Reel/Frame</b> 9274/0776

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0897**

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Marty Borden, Nanying Yin		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 03/21/1996	<b>Reel/Frame</b> 7932/0108

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

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
082771.P123	Method and Apparatus for Determining Multiple Minimally-Overlapping Paths Between Nodes in a Network	08/937,450	9/25/97
<b>Inventors</b>	Ross W. Callon		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 08/20/1999	<b>Reel/Frame</b> 010034/09 88

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**PATENT**  
**REEL: 010547 FRAME: 0898**



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

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Nanying Yin		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 05/06/1996 07/13/1998	<b>Reel/Frame</b> 7995/0315 9310/0269

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey B. Ladwig		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 10/15/1996	<b>Reel/Frame</b> 8199/0337

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Edward S. Harriman, Jr., Geoffrey B. Ladwig, Richard L. Angle		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/19/1996	<b>Reel/Frame</b> 8236/0091

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey B. Ladwig		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/19/1996	<b>Reel/Frame</b> 8236/0091

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0900**

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Richard L. Angle, Edward S. Harriman, Jr., Geoffrey B. Ladwig		
<b>Assignee</b>	Bay Networks, Inc. <b>Recorded</b> 01/09/1997 <b>Reel/Frame</b> 8295/0414 Nortel Networks NA Inc.		

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

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0901**

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

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Jonathan Schmidt, Lewis Donzis, Henry Donzis, John Murphy, Peter Baron		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/02/1998	<b>Reel/Frame</b> 9567/0451

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

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**PATENT**  
**| REEL: 010547 FRAME: 0902**

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	John J. Lockwood, Eddie J. Pavlu III		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/12/1996	<b>Reel/Frame</b> 8306/0561

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

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

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

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

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0904**

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

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

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

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

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

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**PATENT**  
**| REEL: 010547 FRAME: 0905**

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

<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Eric S. Crawley, Paul N. Goransson, Shu Ching Shieh, Gregory A. Burch		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/04/1996	<b>Reel/Frame</b> 8206/0222

<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
082771.P172	A Method And Apparatus For Manipulation of Bit Fields Directly In A Memory Source	08/748,603	11/13/96
<b>Inventors</b>	Edward S. Harriman		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/13/96	<b>Reel/Frame</b> 8352/0012

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

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

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**PATENT**  
**| REEL: 010547 FRAME: 0906**



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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Eric S. Crawley, Zhaohui Zhang, William M. Salkewicz		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 08/08/1996	<b>Reel/Frame</b> 8072/0337

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	H. Earl Ferguson, Jeff Prince, Randy Ryals, Gururaj Singh, Michael Yip		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/25/1996	<b>Reel/Frame</b> 8238/0954

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	H. Earl Ferguson, Bobby R. Johnson, Jr., Randy Ryals		
<b>Assignee</b>	Bay Networks, Inc. Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 11/12/1996	<b>Reel/Frame</b> 8217/0274 8217/0266

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**PATENT**  
**REEL: 010547 FRAME: 0907**

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

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

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Jeffrey C. Weaver		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 06/04/1997	<b>Reel/Frame</b> 8602/0477

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**PATENT**  
**(REEL: 010547 FRAME: 0908)**

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

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

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

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

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

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

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

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0910**

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

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Derek Pitcher, Kishore K. Seshadri, Daniel A. Simone		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 04/02/1997	<b>Reel/Frame</b> 8507/0038

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Nanying Yin, Shantigram Jagannath		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 06/26/1998	<b>Reel/Frame</b> 9278/0922

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**PATENT**  
**REEL: 010547 FRAME: 0911**

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
082771.P224	Symbol Based Algorithm for Hardware Implementation of Cyclic Redundancy Check	09/176,055	10/20/98
<b>Inventors</b>	Rajesh G. Nair, Gerry Ryan, Farivar Farzaneh		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 02/01/1999	<b>Reel/Frame</b> 010041/03 35 009732/05 02

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

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

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

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**REEL: 010547 FRAME: 0912**

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

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

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

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

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

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

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
082771.P242	Method and Apparatus for Implementing a 32-Bit Operating System Which Supports 16-Bit Code	09/045,349	3/19/98
<b>Inventors</b>	Earnest E. Hughes		
<b>Assignee</b>	Bay Networks, Inc. Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 3/20/98 3/19/98	<b>Reel/Frame</b> 9076/0592 010220/06 55

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

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

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

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

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

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**PATENT**  
**| REEL: 010547 FRAME: 0915**

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	James Luciani		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 08/11/1998	<b>Reel/Frame</b> 9390/0758

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

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

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

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| **REEL: 010547 FRAME: 0916**

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

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

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0917**

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

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Mohan V. Kalkunte, James L. Mangin, Ian Crayford		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 10/08/1998	<b>Reel/Frame</b> 9515/0716

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

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

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

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

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

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

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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
<b>Inventors</b>	Shantigram Jagannath, Jim Luciani, Naganand Doraswamy		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 06/19/1998	<b>Reel/Frame</b> 9262/0911

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
082771.P305	Multipoint Network Routing Protocol	09/270,930	3/16/99
<b>Inventors</b>	Jeffrey Charles Weaver		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 03/16/1999	<b>Reel/Frame</b> 9840/0129

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**PATENT**  
**| REEL: 010547 FRAME: 0920**

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

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0921**

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

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0922**



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

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

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

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0923**

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

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

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
082771.P339	Method And Apparatus For Enabling A View Of Data Across A Database	09/253,103	2/19/99
<b>Inventors</b>	Rick Weber		
<b>Assignee</b>	Bay Networks, Inc. Nortel Networks NA Inc.	<b>Recorded</b> 05/10/1999	<b>Reel/Frame</b> 9944/0804

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

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

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**PATENT**  
**REEL: 010547 FRAME: 0924**

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<b>Docket No.</b>	<b>Title</b>	<b>App. No. Patent No.</b>	<b>Filing Date Issue Date</b>
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.

Nortel Networks NA Inc.

**Recorded** 02/05/1999 **Reel/Frame** 9759/0774

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**PATENT**  
**| REEL: 010547 FRAME: 0925**

# ASSIGNMENT

**WHEREAS, Nortel Networks NA Inc.,** having a principal place of business at: 4401 Great America Parkway, P.O. Box 58185, Santa Clara, California 95052 hereinafter called the "Assignor," assigns the inventions, pending patent applications and Letters Patents listed on Appendix A attached hereto.

**WHEREAS, NORTEL NETWORKS CORPORATION,** a Canadian corporation having a principal office and a place of business at, World Trade Center of Montreal, 380 St. Antoine Street West, 8<sup>th</sup> Floor, Montreal, Quebec H2Y 3Y4, Canada hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said inventions, the applications above-identified, and in, to and under Letters Patents which may be obtained for said inventions, as hereinafter more fully set forth;

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN,** be it known that for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the inventions and the applications herein above-identified, and all Letters Patents that have or may issue for the said inventions, and all divisions, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said inventions may issue.

**FURTHER,** be it known that the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the inventions disclosed in said applications, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignor does hereby covenant and agree for itself and its legal representatives, that it will assist the Assignee in the prosecution of the applications herein identified; in making and prosecution of any other applications for Letters Patents that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the inventions, investing in the Assignee exclusive title in and to all such other applications and Letters Patents; and in the prosecution of any interference which may arise involving said inventions, or any applications or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, any facts known respecting said inventions, and at the expense of the Assignee, testify in any legal proceeding, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said inventions in all countries.

And the Commission of Patents and Trademarks is hereby authorized and requested to issue all Letters Patents to the Assignee in accordance with the terms of the assignment.

Assignor

Date: 12/29/99

By: Mary Steubing  
Print Name: Mary Steubing  
Title: Assistant Secretary

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