

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YottaYotta, Inc.	09/18/2008

RECEIVING PARTY DATA

Name:	EMC Corporation of Canada
Street Address:	120 Adelaide Street West, 14th Floor
City:	Toronto
State/Country:	CANADA
Postal Code:	M5H 1T1

PROPERTY NUMBERS Total: 17

Property Type	Number
Patent Number:	6148414
Patent Number:	6912668
Patent Number:	7246260
Patent Number:	7266706
Application Number:	11747871
Patent Number:	7299290
Application Number:	11761918
Patent Number:	6857059
Application Number:	11031628
Patent Number:	7404206
Application Number:	12176211
Application Number:	10291849
Patent Number:	7194656
Application Number:	11261943
Application Number:	11177924

PATENT

500653907

REEL: 021561 FRAME: 0597

CH \$680.00 6148414

Application Number:	11486754
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Application Number:	11674996
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CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	123888-1002
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NAME OF SUBMITTER:	Eugene F. Derenyi
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Total Attachments: 23

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WORLDWIDE ASSIGNMENT OF PATENTS

The undersigned, YottaYotta, Inc. (the "Assignor"), a corporation having a place of business at 6020-104 Street, Edmonton, AB T6H 5S4, for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, does hereby sell, assign, and transfer to EMC Corporation of Canada (the "Assignee"), a corporation having a place of business at 120 Adelaide Street West, 14th Floor, Toronto, ON M5H 1T1, its successors and assigns, its entire right, title and interest throughout the world, in and to the inventions disclosed in the Letters Patent, applications for Letters Patent, abandoned or expired applications for Letters Patent and expired Letters Patent identified on the attached Schedule A, and in and to all Letters Patent and applications for Letters Patent, and any foreign applications corresponding thereto, and any and all Letters Patent which may issue for said inventions and from said applications, including any reissues, extensions, continuations, continuations-in-part, divisions or re-examinations thereof, to the full of the term for which each said Letters Patent may be granted, and including the right to claim priority, based on said Letters Patent, under the terms of any international Convention, and the right to sue for any past, present or future infringement of any of the foregoing rights and the right to all income, royalties, damages and payments now or hereafter due or payable with respect to any of the foregoing rights, including damages for past, present or future infringement thereof, the same to be held and enjoyed, as fully and entirely as the same would have been held and enjoyed by the Assignor had this Assignment not been made. The Assignor hereby authorizes and requests any official of any country or countries whose duty it is to issue Letters Patent, on applications as aforesaid, to issue any and all Letters Patent, that may be granted for said invention to said Assignee, its successors and assigns.

And for the above-named consideration, said Assignor hereby agrees that it will, without additional compensation but without cost to it, promptly communicate to said Assignee, its successors and assigns, any facts known to the Assignor respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications for Letters Patent, and assignments thereof, make all rightful oaths and generally do everything reasonably possible to aid said Assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing all Letters Patent for said inventions and vest the same in said Assignee, its successors and assigns.

This Agreement shall be governed by and interpreted in accordance with the laws of the Province of Québec and the federal laws of Canada applicable thereto.

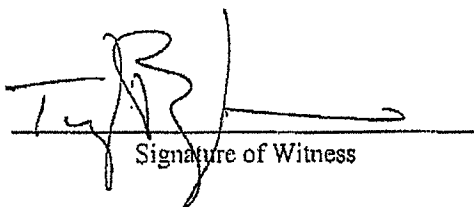
This Agreement may be executed in one or more counterparts, and by the different parties hereto in separate counterparts, each of which when executed shall be deemed to be an original but all of which taken together shall constitute one and the same agreement.

The parties acknowledge that they have requested and are satisfied that the foregoing be drawn up in English. *Les parties aux présentes reconnaissent qu'elles ont exigé que ce qui précède soit rédigé en anglais et s'en déclarent satisfaites.*

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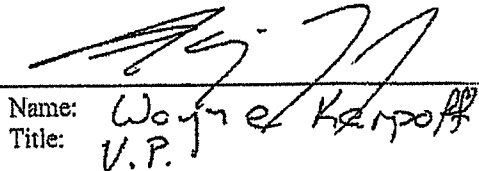
EXECUTED at Edmonton, Alberta, Canada, with effect as of the 18 day of September, 2008.

YOTTAYOTTA, INC.



Signature of Witness

By:



Name: Wayne Karpoff
Title: V.P.

EMC CORPORATION OF CANADA

By:

Signature of Witness

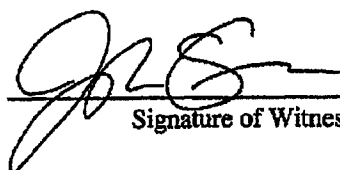
Name:
Title:

EXECUTED at Edmonton, Alberta, Canada, with effect as of the 18 day of September, 2008.

YOTTAYOTTA, INC.

Signature of Witness

By: _____
Name:
Title:


Signature of Witness

By: 
Name: Paul T. Dacier
Title: President and Secretary

[Trademark Assignment]

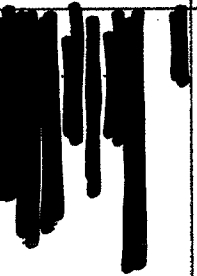
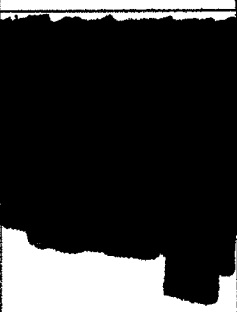
SCHEDULE A

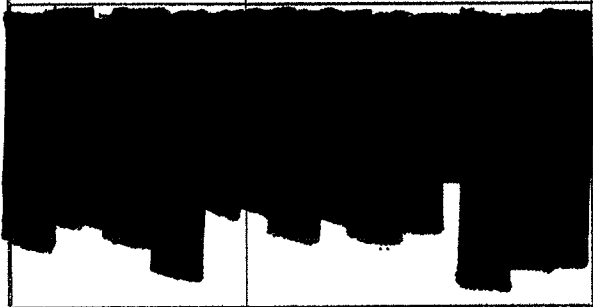
TTC Ref Country ATTY(s)	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 0001000US (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	60/101742 09/24/1998		[REDACTED]
019417- 0001104AU (GTC)		Methods & Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	33586/00 02/08/2000		[REDACTED]
019417- 0001100CA (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	2363726 02/08/2000		[REDACTED]
019417- 0001100CN (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	00804532.1 02/08/2000		[REDACTED]
019417- 0001100DE (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	00911736.7 02/08/2000	DE60034327T2 04/11/2007	[REDACTED]

TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 000110EP (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	00911736.7 02/08/2000	1171820 04/11/2007	[REDACTED]
019417- 000110PR (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	00911736.7 02/08/2000	1171820 04/11/2007	[REDACTED]
019417- 000110QB (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	00911736.7 02/08/2000	1171820 04/11/2007	[REDACTED]

TTC Ref Country ATTY(s)	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
Handling 019417- 0001101N (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	IN/PCT/2001/871/ KOL 02/08/2000	219545 05/07/2008	[REDACTED]
019417- 0001101P (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	2000-602929 02/08/2000		[REDACTED]
019417- 000110KR (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	2001-7011191 02/08/2000		[REDACTED]

TTC Ref Country ATTY(s)	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
Handling 019417- 000110NZ (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Matthews, Michael B.	513789 02/08/2000	513789 02/09/2004	[REDACTED]
019417- 000110PC (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Matthews, Michael B.	00/03275 02/08/2000		[REDACTED]
019417- 000110SO (GTG)		Methods & Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Matthews, Michael B.	200105292-7 02/08/2000		[REDACTED]

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019417- 0001101W (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	89103707 03/02/2000	148707 05/07/2002	
019417- 0001101S (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	09/26/1906 03/03/1999	6148414 11/14/2000	
019417- 000111EP (GTC)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B.	07104609.8 02/08/2000		

TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 00011US (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Matthews, Michael B.	09/657258 09/07/2000	6912668 06/28/2005	
019417- 00012US (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Matthews, Michael B.	11/082178 03/15/2005	7246260 07/17/2007	

TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 000120US (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B. Umrav, Ron Hagglund, Dale	10/006929 12/06/2001	7266706 09/04/2007	[REDACTED]
019417- 000130US (GTG)		Methods and Systems for Implementing Shared Disk Array Management Functions	Brown, William P. Mathews, Michael B. Umrav, Ron Hagglund, Dale	11/747871 05/11/2007		[REDACTED]
019417- 000200US (GTG)		Storage Routing & Extendable Screening Server Systems & Methods for Implementing the Same	Karpoff, Wayne T.	68/191237 03/22/2000		[REDACTED]
019417- 000210CA (GTG)		Method and System for Providing Multimedia Information on Demand Over Wide Area Networks	Karpoff, Wayne T.	2404095 03/22/2001		[REDACTED]

TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 000210EP (GTG)		Method and System for Providing Multimedia Information on Demand Over Wide Area Networks	Karpoff, Wayne T.	01059938.0 03/22/2001		
019417- 000210PC (GTG)		Method & System for Providing Multimedia Information on Demand Over Wide Area Networks	Karpoff, Wayne T.	01/09440 03/22/2001		

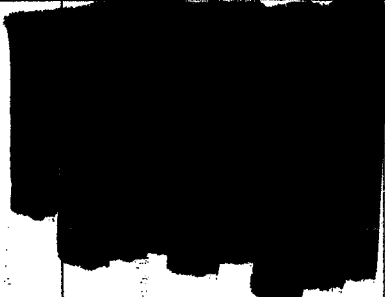
TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 000220US (GTG)		Method and System for Providing Multimedia Information On Demand Over Wide Area Networks	Karproff, Wayne T.	09/815824 03/22/2001	7299290 11/20/2007	[REDACTED]
019417- 000220US (GTG)		Method and System for Providing Multimedia Information on Demand Over Wide Area Networks	Karproff, Wayne T.	11/761918 06/12/2007		[REDACTED]
019417- 001990US (GTG)		Virtual Error Tester (VET)	Lake, Brian Hieglund, Dale Southwell, David	60/228228 08/25/2000		[REDACTED]

ITC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	
019417- 001910US (GTG)		Virtual Error Tester	Lake, Brian Hagglund, Dale Southwell, David	09/940362 08/27/2001		[REDACTED]
019417- 002000US (GTG)		File Card System	Karpoff, Wayne T. Lake, Brian Hagglund, Dale Manderscheid, Rolf Nagy, David Jeske, Chris Southwell, David	60/234742 08/10/2000		[REDACTED]
[REDACTED]		[REDACTED]				[REDACTED]
019417- 002500US (GTG)		Network File System Server (NFSS)	Karpoff, Wayne T. Jeske, Chris Lake, Brian Hagglund, Dale Manderscheid, Rolf Nagy, David Southwell, David	60/238594 10/04/2000		[REDACTED]
019417- 002610US (GTG)		Network File System Server (NFSS)	Karpoff, Wayne T. Jeske, Chris Lake, Brian Hagglund, Dale Manderscheid, Rolf Nagy, David Southwell, David	09/972017 10/04/2001		[REDACTED]
019417- 003700US (GTG)		Storage Virtualization System and Methods	Karpoff, Wayne T.	60/261140 01/11/2001		[REDACTED]
019417- 003710PC (GTG)		Storage Virtualization System and Methods	Karpoff, Wayne T. Lake, Brian	02/00919 01/11/2002		[REDACTED]

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019417- 003710US SKL (GTC)		Storage Virtualization System and Methods	Karpoff, Wayne T. Lake, Brian	10/046070 01/11/2002	6857059 02/15/2005	[REDACTED]
019417- 003720US SKL (GTC)		Storage Virtualization System and Methods	Karpoff, Wayne T. Lake, Brian	11/031628 01/06/2005		[REDACTED]
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019417- 004000US (GTC)		Systems & Methods for Storage Area Network Clustering	Southwell, David Jeske, Chris Grunthorpe, Jason	60/283293 04/11/2001		[REDACTED]
019417- 004100US (GTC)		Network Security Architecture	Noghanian, Sina Mullen, Patrick Dwyvedi, Himanshu Hayward, Geoff Beck, Bob	60/306533 07/17/2001		[REDACTED]

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019417- 004110CA (GTC)		Network Security Devices and Methods	Noghanian, Sima Mullen, Patrick Dwyer, Hianshiu Hayward, Geoff Beck, Bob	2434203 07/17/2002		
019417- 004110PC (GTC)		Network Security Devices and Methods	Noghanian, Sima Mullen, Patrick Dwyer, Hianshiu Hayward, Geoff Beck, Bob	PCT/US0222848 07/17/2002		

TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 004110US (GTC)		Network Security Devices and Methods	Noghanian, Sima Mullen, Patrick Davied, Himanshu Hayward, Geoff Beck, Bob	10/198728 07/16/2002	7404206 07/22/2008	[REDACTED]
019417- 004120US (GTC)		Network Security Devices and Methods	Noghanian, Sima Mullen, Patrick Davied, Himanshu Hayward, Geoff Beck, Bob	12/176211 07/18/2008		[REDACTED]
019417- 004200US (GTC)		Systems & Methods for Providing Directory Based Fault-Tolerant Cache Coherency Over a Storage Area Network	Van Der Goot, Roel	60/306822 07/17/2001		[REDACTED]
019417- 004300US (GTC)		Systems & Methods for Providing Local Access Allocation Routing (LAAR) Over a Storage Area Network	Hayward, Geoff	60/306532 07/17/2001		[REDACTED]
019417- 005300US (GTC)		Methods & Systems for Implementing the Geographic Deployment of Storage Over a Wide Area Network (WAN)	Karpoff, Wayne T.	60/337704 11/07/2001		[REDACTED]

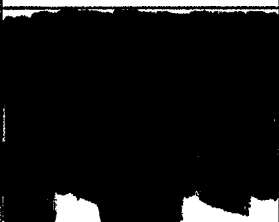
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019417- 005310PC (GTC)		Methods and Systems For Implementing the Geographic Deployment of a Storage Over a Wide Area Network (WAN)	Karpoff, Wayne T.	10/291849 11/07/2002		
019417- 005310US (GTC)		Systems and Methods for Deploying Profitable Storage Services	Karpoff, Wayne T.	10/291849 11/07/2002		
019417- 005500US (GTC)		Systems & Methods for Implementing Content Sensitive Routing Over a Wide Area Network (WAN)	Hayward, Geoff	60/333996 11/28/2001		
019417- 005510US (GTC)		Methods and Systems for Implementing Content Sensitive Routing Over a Wide Area Network (WAN)	Hayward, Geoff	10/302716 11/22/2002	7194656 03/20/2007	
019417- 005511US (GTC)		Systems and Methods for Implementing Content Sensitive Routing Over a Wide Area Network (WAN)	Hayward, Geoff	11/261943 10/28/2005		

TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
[REDACTED]		[REDACTED]				[REDACTED]
019417- 008100US (GTG)		System and Methods for Accelerating Storage Access Rates	Southwell, David Gunthorpe, Jason	60/493964 08/08/2003		[REDACTED]
019417- 008300US (GTG)		Systems and Methods for Providing Distributed Cache Coherence	Urrnu, Ron Bronling, Steven Karpoff, Wayne T.	60/586364 07/07/2004		[REDACTED]
019417- 008310CA (GTG)		Systems and Methods for Providing Distributed Cache Coherence	Urrnu, Ron Bronling, Steven Karpoff, Wayne T.	2572616 07/07/2005		[REDACTED]
019417- 008310EP (GTG)		Systems and Methods for Providing Distributed Cache Coherence	Urrnu, Ron Bronling, Steven Karpoff, Wayne T.	05767801.3 07/07/2005		[REDACTED]
019417- 008310HK (GTG)		Systems and Methods for Providing Distributed Cache Coherence	Urrnu, Ron Bronling, Steven Karpoff, Wayne T.	07110054.5 07/07/2005		[REDACTED]

ITC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 008310IP (GTC)		Systems and Methods for Providing Distributed Cache Coherence	Urrau, Ron Brothing, Steven Karpoff, Wayne T.	2007-520522 07/07/2005		[REDACTED]
019417- 008310PC (GTC)		Systems and Methods for Providing Distributed Cache Coherence	Urrau, Ron Brothing, Steven Karpoff, Wayne T.	PCT/US2005/0242 03 07/07/2005		[REDACTED]
019417- 008310US (GTC)		Systems and Methods for Providing Distributed Cache Coherence	Urrau, Ron Brothing, Steven Karpoff, Wayne T.	11/171924 07/07/2005		[REDACTED]
019417- 008400CA (GTC)		Method for Embedding a Server into a Storage Subsystem	Karpoff, Wayne T. Southwell, David Gundhorpe, Jason	2535097 08/06/2004		[REDACTED]
019417- 008400EP (GTC)		Method for Embedding a Server into a Storage Subsystem	Karpoff, Wayne T. Southwell, David Gundhorpe, Jason	04780250.9 08/06/2004		[REDACTED]

TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 008400PC (GTC)		Method for Embedding a Server into a Storage Subsystem	Karpoff, Wayne T. Southwell, David Guntkorpe, Jason	PCT/US04/25383 08/06/2004		[REDACTED]
019417- 008400US (GTC)		Systems and Methods for Embedding a Server into a Storage Subsystem	Karpoff, Wayne T. Southwell, David Guntkorpe, Jason	10/913008 08/06/2004		[REDACTED]
019417- 008700US IDL (GTC)		Maintaining Write Order Fidelity	Bronling, Steven Hagglund, Dale Hayward, Geoff Van Der Goot, Roel	60/699935 07/14/2005		[REDACTED]
019417- 008710CA IDL (GTC)		Maintaining Write Order Fidelity On A Multi-Writer System	Bronling, Steven Hagglund, Dale Hayward, Geoff Van Der Goot, Roel Karpoff, Wayne T.	2615324 07/14/2006		[REDACTED]

TTC Ref Country ATTY(s)	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 008710EP JDL (GTG)		Maintaining Write Order Fidelity On A Multi-Writer System	Bronling, Steven Hagglund, Dale Hayward, Geoff Van Der Goot, Roel Karpoff, Wayne T.	0684876.6 07/14/2006		
019417- 008710JP JDL (GTG)		Maintaining Write Order Fidelity On A Multi-Writer System	Bronling, Steven Hagglund, Dale Hayward, Geoff Van Der Goot, Roel Karpoff, Wayne T.	2008-520988 07/14/2006		
019417- 008710PC JDL (GTG)		Maintaining Write Order Fidelity On A Multi-Writer System	Bronling, Steven Hagglund, Dale Hayward, Geoff Van Der Goot, Roel Karpoff, Wayne T.	PCT/IB06/04062 07/14/2006		

TTC Ref Country ATTY(s) Handling	Client's Ref	Title	Inventor	Application No. Filing Date	Patent No. Issue Date	Status Remarks
019417- 008710US JDL (GTC)		Maintaining Write Order Fidelity on a Multi-Writer System	Isenring, Steven Hagglund, Dale Hayward, Geoff Van Der Goot, Roel Karpoff, Wayne T.	11/486734 07/14/2006		
019417- 008800US (GTC)		Method and Apparatus for Sharing Data Across Long Distances With Ultra High Availability	Hagglund, Dale Llrau, Ron Hayward, Geoff Granlich, Craig Karpoff, Wayne T.	60/773401 02/14/2006		
019417- 008810PC (GTC)		Systems and Methods for Obtaining Ultra-High Data Availability and Geographic Disaster Tolerance	Hagglund, Dale Llrau, Ron Granlich, Craig Karpoff, Wayne T.	PC/TU/S07/62156 02/14/2007		
019417- 008810US (GTC)		Systems and Methods for Obtaining Ultra-High Availability and Geographic Disaster Tolerance	Hagglund, Dale Llrau, Ron Hayward, Geoff Granlich, Craig Karpoff, Wayne T.	11/674996 02/14/2007		

PATENT

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RECORDED: 09/22/2008