PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NETWORK PHYSICS, INC.	10/19/2007

RECEIVING PARTY DATA

Name:	OPNET Technologies, Inc.
Street Address:	7255 Woodmont Avenue
City:	Bethesda
State/Country:	MARYLAND
Postal Code:	20814-7900

PROPERTY NUMBERS Total: 27

Property Type	Number
Patent Number:	6600752
Patent Number:	6674717
Patent Number:	6928472
Patent Number:	6947381
Patent Number:	6990071
Patent Number:	7072297
Patent Number:	7092355
Patent Number:	7248564
Patent Number:	7277843
Application Number:	10915550
Application Number:	10937986
Application Number:	10923576
Application Number:	11001985
Application Number:	11061978
Application Number:	11092226

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Application Number:	11148055
Application Number:	09846451
Application Number:	09846452
Application Number:	10205135
Application Number:	11193967
Application Number:	10195904
Application Number:	10195905
Application Number:	11173758
Application Number:	11173752
Application Number:	10318633
Application Number:	60340205
Application Number:	60488225

CORRESPONDENCE DATA

Fax Number: (617)310-9866

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 617-439-2866

Email: jso@nutter.com

Correspondent Name: Rena Marie Strand

Address Line 1: 155 Seaport Boulevard

Address Line 4: Boston, MASSACHUSETTS 02210-2604

ATTORNEY DOCKET NUMBER:	OPNET

NAME OF SUBMITTER:	Rena Marie Strand

Total Attachments: 6
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PATENT ASSIGNMENT

WHEREAS, Network Physics, Inc., a Delaware corporation ("Assignor"), and OPNET Technologies, Inc., a Delaware corporation ("Assignee"), are parties to that certain Asset Purchase Agreement dated as of October __, 2007 (the "Agreement"); and

WHEREAS, pursuant to the Agreement, the Assignor has agreed to sell, transfer and assign to Assignee, any right, title and interest of the Assignor in and to the Patents and Patent Applications listed on <u>Schedule A</u> attached hereto, and the inventions and discoveries disclosed therein (the "Patents").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Assignor does hereby sell, assign and transfer unto the Assignee all of its right, title and interest in, to and under the patents and patent applications, including any inventions disclosed therein whether or not presently claimed, together with the right to sue and recover for the past infringements of the patents and patent applications, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives as fully and entirely as the same would have been held and enjoyed by Assignor had this Assignment not been made.

FURTHER, Assignor agrees to execute and provide promptly after its execution hereof, such further instruments and documents or assignments as may be reasonably necessary to effectuate the purpose of this transaction and consolidate, vest and record in Assignee, Assignor's rights in, to and under the patents and patent applications.

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IN WITNESS WHEREOF, Assignor has caused this assignment to be executed as an instrument under seal by its duly authorized officer this __ day of October, 2007.

NETWORK PHYSICS, INC.

By:_____

Name: KENNY FRENICHS

Title: CEO

State of California
County of _____

On this ____ day of October 2007. before me, the undersigned notary public, personally appeared_____, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

See Attached

_____
Notary Public
My commission expires: _____

[Patent Assignment Signature Page]

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PATENT
REEL: 019984 FRAME: 0379

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
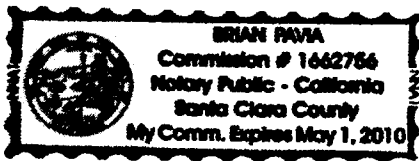
County of _Sun Mateo_ } ss.

On _October 18, 2007_, before me, _Brian Pavia, Notary Public_,
Date   Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared _Kenny Frerichs_,
Name(s) of Signer(s)

☐ personally known to me

☑ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

_____
Signature of Notary Public

Place Notary Seal Above

BRIAN PAVIA
Commission # 1662756
Notary Public - California
Santa Clara County
My Comm. Expires May 1, 2010

——————— OPTIONAL ———————

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

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Signer(s) Other Than Named Above: _____

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Signer's Name: _____
☐ Individual
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☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer Is Representing: _____

Signer's Name: _____
☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer Is Representing: _____

PATENTS

Title	Inventor	Assignee	Patent Number	Filing Date	Registration Date	Juris-diction
Method for reducing excess queue time in communication nodes	Duong-Van, Minh	Network Physics, Inc.	6,600,752	June 30, 1999	July 29, 2003	US
Method for reducing packet loss and increasing internet flow by feedback control	Duong-Van, Minh; Pavel, Thomas J.; Wen, Han C.	Network Physics, Inc.	6,674,717	March 30, 2000	January 6, 2004	US
Method for correlating congestion to performance metrics in internet traffic	Wen, Han C.	Network Physics, Inc.	6,928,472	July 23, 2002	August 9, 2005	US
Method for reducing packet loss by phase transition identification in communication networks	Wen, Han C.; Duong-Van, Minh; Pavel, Thomas J.; Crane, Mark	Network Physics, Inc.	6,947,381	April 30, 2001	September 20, 2005	US
Method for reducing fetch time in a congested communication network	Adam, Ian; Pavel, Thomas J.; Wen, Han C.; Duong-Van, Minh; Crane, Mark	Network Physics, Inc.	6,990,071	April 30, 2001	January 24, 2006	US
Method for dynamical identification of network congestion characteristics	Adam, Ian; Pavel, Thomas J.; Wen, Han C.; Duong-Van, Minh; Crane, Mark	Network Physics, Inc.	7,072,297	April 30, 2001	July 4, 2006	US
Method for controlling congested network flow	Duong-Van, Minh	Network Physics, Inc.	7,092,355	June 30, 1999	August 15, 2006	US
Method for determining network congestion and link capacities	Grosdidier, Gilbert; Duong-Van, Minh; Pavel, Thomas J.; Wen, Han C; Adam, Ian et al	Network Physics, Inc	7,248,564	May 11, 2001	July 24, 2007	US
Method for real-time auto determination of outliers	Wen, Han; Pavel, Tomas J.	Network Physics, Inc	7,277,843	July 15, 2002	October 2, 2007	US

**PATENT
REEL: 019984 FRAME: 0381**

PATENT APPLICATIONS

Title	Inventor	Assignee	File Number	Filing Date	Juris-diction
Method and apparatus for detecting a computer worm virus	Dwight G. Barker; Han C. Wen; George Zioulas	Network Physics, Inc.	10/915,550	8/9/2004	US
Method and system for grouping diagnostic information	Han C. Wen; George Zioulas; Masood Ahmed	Network Physics, Inc.	10/937,986	9/10/2004	US
Method for prioritizing group data reduction	George Zioulas; Dimitrus Stassinopoulos; Han C. Wen	Network Physics, Inc.	10/923,576	8/20/2004	US
Method for discovery and troubleshooting of network application usage and performance issues	Han C. Wen; George Zioulas; Stephen Guarini; Masood Ahmed; Erik Seilnacht	Network Physics, Inc.	11/001,985	12/1/2004	US
Method and system for topological navigation of hierarchical data groups	Joe Sapsford; Han C. Wen	Network Physics, Inc.	11/061,978	2/18/2005	US
Method and system for managing a distributed network of network monitoring devices	Dimitrus Stassinopoulos; George Zioulas; Han C. Wen	Network Physics, Inc.	11/092,226	3/28/2005	US
Distributed network monitoring system	Stephen Guarini; Thomas J. Pavel; Mark Crane; Erik Seilnacht; Romain Kang	Network Physics, Inc.	11/148,055	6/8/2005	US
Method for reducing packet loss by resonance identification in communication networks	Minh Duong-van; Han C. Wen; Mark Crane; Thomas J. Pavel	Network Physics, Inc.	09/846,451	4/30/2001	US
Method for acceleration TCP flows in communication networks with dynamic control	Han C. Wen; Ian Adam; Minh Duong-Van; Thomas J. Pavel; Mark Crane	Network Physics, Inc.	09/846,452	4/30/2001	US
A Bayesian approach to correlating congestion to performance metrics in internet traffic	Han C. Wen	Network Physics, Inc.	10/205,135	7/23/2002	US
Learning detection engine for network monitoring applications	Minh Duong-van	Network Physics, Inc.	11/193,967	7/28/2005	US
Method for detecting congestion in internet traffic	Han C. Wen; Thomas J. Pavel	Network Physics, Inc.	10/195,904	7/15/2002	US
Method for real-time auto-detection of outliers	Han C. Wen; Thomas J. Pavel	Network Physics, Inc.	10/195,905	7/15/2002	US
Method and system for collecting and consolidating network traffic information	George Zioulas; Wenjie Ding	Network Physics, Inc.	11/173,758	6/30/2005	US

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Method and system for identifying duplicate packets in flow-based network monitoring system	Mark E. Crane; Thomas J. Pavel; Wei Yue	Network Physics, Inc.	11/173,752	6/30/2005	US
Method and apparatus for network congestion management	Minh Duong-van	None		NOT YET RIPE	US
Method for guided workflows in network application performance monitoring	Stephen Guarini; Han C. Wen	None		NOT YET RIPE	US
Method and system for managing traffic information of logical groups in a distributed network monitoring system	George Zioulas; Stephen Guarini; Han Wen	None		NOT YET RIPE	US
User interface for network performance monitoring	Han Wen; Nai-ting Hsu; David Trowbridge; John Connelly; Silvia Veronese	?		NOT FILED (draft complete)	US
Neural network predicator for real-time network traffic control using approximately selected variables	Richard Blackenbecler; Minh Duong-van	?		NOT FILED (drafted, sent to client)	US
Method for reducing response time by breathing mode identification in communication networks	Han C. Wen; Matt Langston; Minh Duong-van; Ian Adam; Phomas J. Pavel; Richard Blackenbecler; Mark Crane	?		NOT FILED (drafted, sent to client)	US
Neural network correlation engine	Minh Duong-van	?		NOT FILED (draft complete)	US
Method for configuring logical groupings in a distributed network monitoring system	George Zioulas; Stephen Guarini; Han Wen	?		NOT FILED	US
Method and apparatus for reducing packet loss in computer networks – ABANDONED FILING	Minh Duong-van; Richard Blankenbecker; Robert Cheng	None	10/318,633	12/12/2002	US
Method and apparatus for reducing packet loss in computer networks – EXPIRED	Minh Duong-van; Richard Blankenbecker; Robert Cheng	None	60/340,205	12/12/2002	US
Method for detecting computer virus – EXPIRED	Minh Duong-van; Dimitrus Stassinopoulos; Silvia Veronese; Ludovic Milin	None	60/488,225	7/16/2003	US
Method for reducing packet loss and increasing internet flow by feedback control – EXPIRED (but US patent with same title is issued)	Minh Duong-van; Thomas J. Pavel; Han C. Wen	Network Physics, Inc.	US00/41174	10/16/2000	PCT

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