502292245 03/29/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Bobby NINAN | 05/16/2007 |
| Gordon M. BOLT | 05/17/2007 |
| Edward A. SYKES | 05/17/2007 |
| Scott GLASSER | 05/25/2007 |
| Alain J. COHEN | 05/08/2007 |
| Yevgeny GUREVICH | 05/29/2007 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13346453 |

CORRESPONDENCE DATA

Fax Number:

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

Email: bdetwiler@opnet.com

Correspondent Name: OPNET Technologies, Inc.

Address Line 1: 7255 Woodmont Avenue

Address Line 4: Bethesda, MARYLAND 20814

ATTORNEY DOCKET NUMBER: OP-060602C1

NAME OF SUBMITTER: Donald D. Min

Total Attachments: 3

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> PATENT REEL: 030115 FRAME: 0712

DP \$40.00 13346453

ASSIGNMENT OF APPLICATION

Attorney Docket OP-060602

For good and valuable consideration, I as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to:

OPNET Technologies, Inc. 7255 Woodmont Avenue Bethesda, MD 20814

executed concurrently herewith,

AND GRAVITY MEASURES

executed on

granted on these applications.

and to its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention relating to as described in the U.S. patent application entitled: TRAFFIC FLOW INFERENCE BASED ON LINK LOADS

based thereon, including divisions, continuations, reissues, and extensions, and all patents

title, and interest to the fullest extent. Upon request at the expense of the Assignee, I

filed in the United States Patent and Trademark Office on as Serial Number, the foregoing patent application and all other U.S. and foreign patent applications

I will provide my cooperation to enable the Assignee to enjoy the foregoing right,

| including patent prose which may be necessary | apers, take all rightful oaths, testify in all legal proceedings ecution actions and infringement actions, and do all other such acts ary, desirable, or convenient for securing and maintaining patents on on or for perfecting title thereto in the Assignee. I authorize and |
|--|---|
| request that these pate | ents be issued to the Assignee. |
| I certify that I | have the full right to convey the above rights. |
| Date: <u>5/16/20</u> 07 | Signature: Assignor: Ninan, Bobby |
| Date: <u>5/17/20</u> 07 | Signature: Assignor: Ninan, Bobby Signature: Assignor: Bolt, Gordon M. |
| Date: 5/17/2007 | Signature: Assignor: Sykes, Edward A. |
| Date: | Signature: Assignor: Glasser, Scott |
| Date: | Signature: Assignor: Cohen, Alain J. |
| Date: | Signature: Assignor: Gurevich, Yevgeny |

PATENT REEL: 030115 FRAME: 0713

ASSIGNMENT OF APPLICATION

Attorney Docket OP-060602

For good and valuable consideration, I as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to:

OPNET Technologies, Inc. 7255 Woodmont Avenue Bethesda, MD 20814

| and to its successors, | assigns, and legal representatives, including any nomi- | nees |
|------------------------|--|-----------------|
| | signee") my/our invention relating to as described in th | |
| application entitled: | TRAFFIC FLOW INFERENCE BASED ON LINK | LOADS |
| AND GRAVITY M | | |
| executed of | concurrently herewith, | |
| executed of | on | |
| the foregoing | e United States Patent and Trademark Office on as Ser patent application and all other U.S. and foreign paten | t applications |
| | ling divisions, continuations, reissues, and extensions, | and all patents |
| granted on these appl | | |
| | my cooperation to enable the Assignee to enjoy the fo | ~ ~ ~ |
| | he fullest extent. Upon request at the expense of the As | _ |
| | apers, take all rightful oaths, testify in all legal proceed | |
| ~ . | ecution actions and infringement actions, and do all ot | |
| ₩ | ary, desirable, or convenient for securing and maintain | - - |
| | on or for perfecting title thereto in the Assignee. I auth | orize and |
| request that these pat | ents be issued to the Assignee. | |
| I certify that I | have the full right to convey the above rights. | |
| Date: | Signature: | |
| | Assignor: Ninan, Bobby | |
| | Tibolghor. Tillian, 2000j | |
| Date: | Signature: | |
| | Assignor: Bolt, Gordon M. | , |
| | 3 | |
| Date: | Signature: | _ |
| | Assignor: Sykes, Edward A. | |
| | | |
| Date: <u>5/25/2001</u> | Signature: Arot Ar | |
| , , | Assignor: Glasser, Scott | |
| | | |
| Date: | Signature: | |
| | Assignor: Cohen, Alain J. | |
| | | |
| Date: | Signature: | _ |

Assignor: Gurevich, Yevgeny

PATENT **REEL: 030115 FRAME: 0714**

ASSIGNMENT OF APPLICATION

Attorney Docket OP-060602

For good and valuable consideration, I as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to:

OPNET Technologies, Inc. 7255 Woodmont Avenue Bethesda, MD 20814

and to its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention relating to as described in the U.S. patent

| (collectively "the Ass | signee") my/our invention relating to as described in the U.S. patent |
|----------------------------|--|
| | TRAFFIC FLOW INFERENCE BASED ON LINK LOADS |
| AND GRAVITY M | |
| | concurrently herewith, |
| | on |
| | e United States Patent and Trademark Office on as Serial Number, |
| the foregoing | patent application and all other U.S. and foreign patent applications |
| | ing divisions, continuations, reissues, and extensions, and all patents |
| granted on these appl | |
| I will provide | my cooperation to enable the Assignee to enjoy the foregoing right, |
| title, and interest to the | ne fullest extent. Upon request at the expense of the Assignee, I |
| agree to execute all p | apers, take all rightful oaths, testify in all legal proceedings |
| including patent pros | ecution actions and infringement actions, and do all other such acts |
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| I certify that I | have the full right to convey the above rights. |
| Date: | Signature: |
| | Assignor: Ninan, Bobby |
| Date: | Signature: |
| | Assignor: Bolt, Gordon M. |
| Date: | Signature: |
| | Signature:Assignor: Sykes, Edward A. |
| Date: | Signature: |
| | Assignor: Glasser, Scott |
| Date: MAY 08, 2007 | Signature: Jam de |
| Duto. | Assignor: Cohen, Alain J. |
| | The state of the s |

PATENT REEL: 030115 FRAME: 0715

RECORDED: 03/29/2013

Date: 5/29/67 Signature: Assignor: Gureyich, Yevgeny