505368047 03/11/2019

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| VOLKER SCHELLENBERGER | 02/02/2015 |
| SHENG DING | 02/02/2015 |
| BENJAMIN SPINK | 02/01/2015 |
| PEI-YUN CHANG | 01/23/2015 |
| FATBARDHA VARFAJ | 01/22/2015 |
| JOSHUA SILVERMAN | 01/22/2015 |
| NATHAN GEETHING | 01/26/2015 |
| CHIA-WEI WANG | 02/02/2015 |

RECEIVING PARTY DATA

| Name: | AMUNIX OPERATING INC. | |
|-----------------|-----------------------|--|
| Street Address: | 500 ELLIS STREET | |
| City: | MOUNTAIN VIEW | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 94043 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14379192 |

CORRESPONDENCE DATA

Fax Number: (857)300-4001

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Iroberts@lathropgage.com, internalip@lathropgage.comEmail:

Correspondent Name: LATHROP GAGE LLP Address Line 1: 28 STATE STREET

Address Line 2: 7TH FLOOR

BOSTON, MASSACHUSETTS 02109 Address Line 4:

ATTORNEY DOCKET NUMBER: 608669: SA9-419US - 10F2 NAME OF SUBMITTER: JAMES H. VELEMA SIGNATURE: /James H. Velema/

REEL: 048561 FRAME: 0258 505368047

| DATE SIGNED: | 03/11/2019 | | |
|--|--|--|--|
| Total Attachments: 5 | | | |
| source=608669- SA9-419US - Executed | Assignment - Inventors to Amunix#page1.tif | | |
| source=608669- SA9-419US - Executed Assignment - Inventors to Amunix#page2.tif | | | |
| source=608669- SA9-419US - Executed | Assignment - Inventors to Amunix#page3.tif | | |
| source=608669- SA9-419US - Executed | Assignment - Inventors to Amunix#page4.tif | | |
| source=608669- SA9-419US - Executed | Assignment - Inventors to Amunix#page5.tif | | |

PATENT REEL: 048561 FRAME: 0259

| | PATENT ASSIGNMENT | | Docket Number 2159.4460000 |
|---|--|--|---|
| WHEREAS, the undersigned: 1. SCHELLENBERGER, Volker Palo Alto, CA | 2. CHANG, Pei-Yun Bedford, MA 01730 | 3. VARFAJ, Fatbardha Larkspur, CA | 4. DING, Sheng Foster City, CA |
| 5. SILVERMAN, Joshua Sunnyvale, CA | 6. SPINK, Benjamin San Carlos, CA | 7. GEETHING, Nathan San Juan, Puerto Rico | 8. WANG-Chia-wei Santa Clara, CA |
| (hereinafter "Inventor(s))," have in | vented certain new and useful imp | rovements in | |
| | | AND METHODS OF MAKING A | ND USING SAME |
| for which Application (hereinafter "Application(s)"). | | <u>ly 11, 2012</u> in the United States Pat | |
| WHEREAS, Amunix Operating Inc., a corporation of the State of Delaware, having a place of business at 500 Ellis Street, Mountain View, CA 94043-2206, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. | | | |
| NOW, THEREFORE, in said Assignee: | consideration of good and valuab | ele consideration acknowledged by | said Inventor(s) to have been received in full from |
| 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). | | | |
| 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee. | | | |
| 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns. | | | |
| 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith. | | | |
| 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns. IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below: | | | |
| 2/2/2/15/V | alu UIII | Date: | Dr. V. Chara |
| | rdha, Varfaj | Date: 02/02/20 Date: 52/1/2015 | Sheng Ding |
| Date: | - Cilmanan | | Benjamin Spink |

| | PATENT ASSIGNMENT | | Docket Number 2159.4460000 |
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| WHEREAS, the undersigned: 1. SCHELLENBERGER, Volker Palo Alto, CA | 2. CHANG, Pei-Yun Bedford, MA 01730 | 3. VARFAI, Fatbardha Larkspur, CA | 4. DING, Sheng Foster City, CA |
| 5. SILVERMAN, Joshua Sunnyvale, CA | 6. SPINK, Benjamin San Carlos, CA | 7. GEETHING, Nathan San Juan, Puerto Rico | 8. WANG, Chia-wei Santa Clara, CA |
| (hereinafter "Inventor(s))," have in | nvented certain new and useful impr | ovements in | |
| FA | CTOR VIII COMPOSITIONS A | ND METHODS OF MAKING A | ND USING SAME |
| for which a United for which Application (hereinafter "Application(s)"). | States patent application is executed on No. <u>14/379,192,</u> was filed on <u>Jul</u> | i on even date herewith; ly <u>11, 2012</u> in the United States Pat | ent Office; |
| WHEREAS, Amunix Operating Inc., a corporation of the State of <u>Delaware</u> , having a place of business at <u>500 Ellis Street</u> , Mountain View, CA <u>94043-2206</u> , (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. | | | |
| NOW, THEREFORE, i said Assignce: | n consideration of good and valuabl | le consideration acknowledged by s | aid Inventor(s) to have been received in full from |
| 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). | | | |
| 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee. | | | |
| 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns. | | | |
| 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith. | | | |
| 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns. | | | |
| IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below: | | | |
| | | | |
| Date: Volke | r Schellenberger | Date: 28 Jan, 2015 | Pei-Yun Chang |
| Date:Fatba | rdha, Varfaj | Date: | Sheng Ding |
| Date: | | Date: | Benjamin Spink |
| Joshu Joshu | a Silverman | | Denlamin Shink |

Joshua Silverman

| | PATENT ASSIGNMENT | | Docket Number 2159.4460000 |
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| WHEREAS, the undersigned: 1. SCHELLENBERGER, Volker Palo Alto, CA | 2. CHANG, Pei-Yun Bedford, MA 01730 | 3. VARFAJ, Fatbardha Larkspur, CA | 4. DING, Sheng Foster City, CA |
| 5. SILVERMAN, Joshua Sunnyvale, CA | 6. SPINK, Benjamin San Carlos, CA | 7. GEETHING, Nathan San Juan, Puerto Rico | 8. WANG, Chia-wei Santa Clara, CA |
| (hereinafter "Inventor(s))," have in | vented certain new and useful imp | rovements in | |
| | | AND METHODS OF MAKING A | IND USING SAME |
| for which a United S for which Applicatio (hereinafter "Application(s)"). | states patent application is execute on No. <u>14/379,192.</u> was filed on <u>Ju</u> | d on even date herewith; ly 11, 2012 in the United States Pat | ent Office; |
| WHEREAS, Anumix Operating Inc., a corporation of the State of Delaware, having a place of business at 500 Ellis Street, Mountain View, CA 94043-2206, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. | | | |
| NOW, THEREFORE, in said Assignee: | consideration of good and valuab | le consideration acknowledged by s | said Inventor(s) to have been received in full from |
| I. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). | | | |
| 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee. | | | |
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| IN WITNESS WHEREOF, said inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below: | | | |
| | | | |
| Date:Volker | Schellenberger | Date: | Pei-Yun Chang |
| Date: Jon 22,2015 For | Abordha Varfoj | Date: | |
| Fatbard | ha, Varfaj / / | | Sheng Ding |
| Date: | Silverman | Date: | Benjamin Spink |

| | PATENT ASSIGNMENT | | Docket Number 2159.4460000 |
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| WHEREAS, the undersigned 1. SCHELLENBERGER, V | /olker 2. CHANG, Pei-Yun | 3. VARFAJ, Fatbardha | 4. DING, Sheng |
| Palo Alto, CA | Bedford, MA 01730 | Larkspur, CA | Foster City, CA |
| 5. SILVERMAN, Joshua Sunnyvale, CA | 6. SPINK, Benjamin San Carlos, CA | 7. GEETHING, Nathan San Juan, Puerto Rico | 8. WANG, Chia-wei Santa Clara, CA |
| (hereinafter "Inventor(s))." | have invented certain new and useful imp | provements in | |
| (| · | • | ND USING SAME |
| FACTOR VIII COMPOSITIONS AND METHODS OF MAKING AND USING SAME of or which a United States patent application is executed on even date herewith; for which Application No. 14/379,192, was filed on July 11, 2012 in the United States Patent Office; (hereinafter "Application(s)"). | | | |
| WHEREAS, <u>Amunix Operating Inc.</u> , a corporation of the State of <u>Delaware</u> , having a place of business at <u>500 Ellis Street</u> , <u>Mountain View</u> , <u>CA 94043-2206</u> , (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. | | | |
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| 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s). | | | |
| 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee. | | | |
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| 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith. | | | |
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| IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below: | | | |
| | | | |
| Date | | Date: | |
| Date: | Volker Schellenberger | Date: | Pei-Yun Chang |
| Data | | Date | |
| Date: | Fatbardha, Varfaf | Date: | Sheng Ding |
| | /m//1 | D./ | |
| Date: <u>Jan 22, 20</u> 15 | Joshua Silverman | Date: | Benjamin Spink |

| PATENT ASSIGNMENT | Docket Number 2159.4460000 |
|---|--|
| Date: 01/26/15 Nathan Geething | Date: 2/2/15' Mas Way Chia-wei Wang |
| RECEIVED AND AGREED TO BY ASSIGNEE: Date: 2/2/20/5 By: | Name: Volker Schellenberger Title: President and Chief Executive Officer |