| FORM 510-1999   | ET u.s. DEPARTMENT OF COMMERCE   |
|---|--|
| (Rev. 6-93)   | Patent and Trademark Office  |
|   | <del>-</del>   |
| To the Honorable Commissioner of Patents and mademarks: P                                 | 30969  |
| Name(s) of conveying party(ies):  | Name and address of receiving party:   |
| 1) JEFFREY A. BOWERS  | Name: SEARETE LLC  |
| 2) RODERICK A. HYDE   |  |
| 3) EDWARD K.Y. JUNG<br>4) JOHN BRIAN PENDRY   | Internal Address:  |
| 5) DAVID SCHURIG  |  |
| 6) DAVID R. SMITH<br>7) CLARENCE T. TEGREENE  |  |
| 8) THOMAS A. WEAVER   |  |
| 9) CHARLES WHITMER<br>10) LOWELL L. WOOD, JR.   |  |
| Additional names of conveying parties attached? Yes XNo                                   |  |
| 3. Nature of conveyance:  X Assignment Merger   | Street Address: <u>1756 – 114<sup>TH</sup> AVE. S.E., # 110</u>  |
|   |  |
| Security Agreement Change of Name   |  |
| Other   | City: BELLEVUE State WA  |
| Execution Dates:  | Zip: <u>98004</u>  |
| 1) <u>08-26-2008</u> 6) <u>10-06-2008</u><br>2) <u>08-29-2008</u> 7) <u>08-25-2008</u>    | Additional names & addresses attached?Yes _XNo   |
| 3) <u>08-28-2008</u> 8) <u>09-21-2008</u>   | 7. Santania (1. Santania)  |
| 4) <u>08-29-2008</u> 9) <u>09-30-2008</u><br>5) <u>08-29-2008</u> 10) <u>09-10-2008</u>   | co d   |
| Application number(s) or registration number(s):  |  |
| If this document is being filed   | together with a new application,   |
| the execution date A. Patent Application No(s).   | of the application is  B. Patent No(s).  |
| 12/228,153  |  |
|   | in l   |
| Additional numbers attached   | ed? Yes X No   |
| 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved1  |
| -   |  |
| Name: SEARETE LLC   |  |
| Internal Address: CLARENCE T. TEGREENE  | 7. Total Fee (37 CFR 3.41): <u>\$40</u>  |
|   | X Enclosed   |
| Object Address: 4756 444th A. C. C. E. #440   | Authorized to be charged to deposit account  |
| Street Address: <u>1756 – 114<sup>th</sup> Ave. S.E., # 110</u>                           |  |
| City: Bellevue State: WA ZIP: 98004   | 8. Deposit account 19/21/2908 DBYRNE 90000050 12228153   |
|   | 502857 01 FC:8021 48-89 6  |
| DO NOT HS   | E THIS SPACE   |
| a Cold and a decimandors  |  |
| To the best of my knowledge and belief, the foregoing                                     | information is true and correct and any attached copy is a   |
| true copy of the original document.   | 10/15/04   |
| JEFFREY A. BOWERS  Name of Person Signing  Signal   | ture Date  |
|   |  |
| 1 - 1 - 2054 2044 (ovn 4/94) - https://isf.intyen.com/Shared Documents                    | t, attachments, and document. s/Patents Filed-Active Drafts/Left Handed Materials-011/0706B-011-001-CP3CP1 |
| Emitting and Negatively-Refractive/assgt cover sheet.doc                                  |  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17th St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE. #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled NEGATIVELY-REFRACTIVE FOCUSING APPARATUS. "EMITTING AND METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| 8/26/08<br>Date | Lass Bowers       |
|-----------------|-------------------|
|                 | Jeffrey A. Bowers |
| Date            | Roderick A. Hyde  |
| Date            | Edward K.Y. Jung  |
| Date            | John Brian Pendry |
| Date            | David Schurig     |
| Date            | David R. Smith    |

| Date | Clarence T. Tegreene |
|------|----------------------|
| Date | Thomas A. Weaver     |
| Date | Charles Whitmer      |
| Date | Lowell L. Wood, Jr.  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17<sup>th</sup> St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE, #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled **NEGATIVELY-REFRACTIVE FOCUSING** AND APPARATUS, "EMITTING METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date              | Jeffrey A. Bowers |
|-------------------|-------------------|
| 8/29/2008<br>Date | Roderick A. Hyde  |
| Date              | Edward K.Y. Jung  |
| Date              | John Brian Pendry |
| Date              | David Schurig     |
| Date              | David R. Smith    |

| Date | Clarence T. Tegreene |  |
|------|----------------------|--|
| Date | Thomas A. Weaver     |  |
| Date | Charles Whitmer      |  |
| Date | Lowell L. Wood Jr.   |  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17th St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE, #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled "EMITTING AND **NEGATIVELY-REFRACTIVE** FOCUSING APPARATUS, METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date | Jeffrey A. Bowers |
|------|-------------------|
| Date | Roderick A. Hyde  |
| Date | Edward K.Y. Jung  |
| Date | John Brian Pendry |
| Date | David Schurig     |
| Date | David R. Smith    |

| Date | Clarence T. Tegreene |
|------|----------------------|
| Date | Thomas A. Weaver     |
| Date | Charles Whitmer      |
| Date | Lowell L. Wood. Jr.  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17th St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE, #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled "EMITTING NEGATIVELY-REFRACTIVE AND FOCUSING APPARATUS. METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date            | Jeffrey A. Bowers |
|-----------------|-------------------|
| Date            | Roderick A. Hyde  |
| Date            | Edward K.Y. Jung  |
| 29 dy 2008 Date | John Brian Pendry |
| Date            | David Schurig     |
| Date            | David R. Smith    |

| Date | Clarence T. Tegreene |  |
|------|----------------------|--|
| Date | Thomas A. Weaver     |  |
| Date | Charles Whitmer      |  |
| Date | Lowell L. Wood, Jr.  |  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17th St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE. #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled AND NEGATIVELY-REFRACTIVE **FOCUSING** APPARATUS. METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date                   | Jeffrey A. Bowers |
|------------------------|-------------------|
| Date                   | Roderick A. Hyde  |
| Date                   | Edward K.Y. Jung  |
| Date                   | John Brian Pendry |
| 29 August 2008<br>Date | David Schurig     |
| Date                   | David R. Smith    |

| Date | Clarence T. Tegreene |
|------|----------------------|
| Date | Thomas A. Weaver     |
| Date | Charles Whitmer      |
| Date | Lowell L. Wood, Jr.  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17<sup>th</sup> St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE, #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled NEGATIVELY-REFRACTIVE **FOCUSING** "EMITTING APPARATUS, METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date              | Jeffrey A. Bowers |
|-------------------|-------------------|
| Date              | Roderick A. Hyde  |
| Date              | Edward K.Y. Jung  |
| Date              | John Brian Pendry |
| Date              | David Schurig     |
| 10/6/2008<br>Date | David R. Smith    |

| Date | Clarence T. Tegreene |
|------|----------------------|
| Date | Thomas A. Weaver     |
| Date | Charles Whitmer      |
| Date | Lowell L. Wood, Jr.  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17th St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE, #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled **NEGATIVELY-REFRACTIVE FOCUSING** "EMITTING AND APPARATUS, METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date | Jeffrey A. Bowers |  |
|------|-------------------|--|
| Date | Roderick A. Hyde  |  |
| Date | Edward K.Y. Jung  |  |
| Date | John Brian Pendry |  |
| Date | David Schurig     |  |
| Date | David R. Smith    |  |

| Date S/G/S | Clarence T. Tegreene | <del></del> |
|------------|----------------------|-------------|
| Date       | Thomas A. Weaver     |             |
| Date       | Charles Whitmer      |             |
| Date       | Lowell L. Wood, Jr.  |             |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17th St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE, #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled "EMITTING AND **NEGATIVELY-REFRACTIVE** FOCUSING APPARATUS. METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date | Jeffrey A. Bowers |   |
|------|-------------------|---|
| Date | Roderick A. Hyde  |   |
| Date | Edward K.Y. Jung  | • |
| Date | John Brian Pendry |   |
| Date | David Schurig     |   |
| Date | David R. Smith    |   |

| Date |         | Clarence T. Tegreene |
|------|---------|----------------------|
| Date | 9/21/08 | Thomas A. Weaver     |
| Date |         | Charles Whitmer      |
| Date |         | Lowell L. Wood, Jr.  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17th St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE. #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled "EMITTING AND NEGATIVELY-REFRACTIVE FOCUSING APPARATUS. METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date | Jeffrey A. Bowers |  |
|------|-------------------|--|
| Date | Roderick A. Hyde  |  |
| Date | Edward K.Y. Jung  |  |
| Date | John Brian Pendry |  |
| Date | David Schurig     |  |
| Date | David R. Smith    |  |

| Date            | Clarence T. Tegreene |
|-----------------|----------------------|
| Date            | Thomas A. Weaver     |
| 9/30/05<br>Date | Charles Whitmer      |
| Date            | Lowell L. Wood. Jr.  |

WHEREAS, we, Jeffrey A. Bowers, Roderick A. Hyde, Edward K.Y. Jung, John Brian Pendry, David Schurig, David R. Smith, Clarence T. Tegreene, Thomas A. Weaver, Charles Whitmer and Lowell L. Wood, Jr. (hereinafter referred to as ASSIGNORS), having post office addresses of 631 Market St., Unit 104, Kirkland, WA 98033, 9915 161st Ave. NE, Redmond, WA 98052, 13420 NE 36th St., Bellevue, WA 98005, Metchley, Knipp Hill, Cobham, Surrey, KT11 2PE, United Kingdom, 2440 Campus Shore Drive, Unit 101, Raleigh, NC 27606, 5310 Sutteridge Ct., Durham, NC 27713, 10629 NE 17th St., Bellevue, WA 98004, 101 Arroyo Court No. 8, San Mateo, CA 94402, 15509 Uplands Way SE, North Bend, WA 98045 and 989 112th Ave NE, #2310, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled "EMITTING AND **NEGATIVELY-REFRACTIVE** FOCUSING APPARATUS. METHODS, AND SYSTEMS," as described and claimed in the specification for which an application for United States letters patent was filed on August 7, 2008 and assigned Application No. 12/228,153; and

WHEREAS, Searete LLC, (hereinafter referred to as ASSIGNEE), a limited liability corporation of the State of Delaware, having a place of business at 1756 – 114<sup>th</sup> Ave. S.E., Suite 110, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held

| Date | Jeffrey A. Bowers |  |
|------|-------------------|--|
| Date | Roderick A. Hyde  |  |
| Date | Edward K.Y. Jung  |  |
| Date | John Brian Pendry |  |
| Date | David Schurig     |  |
| Date | David R. Smith    |  |

|                   | Clarence T. Tegreene |
|-------------------|----------------------|
|                   | Thomas A. Weaver     |
| ·                 | Charles Whitmer      |
| 10 September 2008 | Lowell L. Wood Jr.   |
|                   | 10 September 2008    |

Date