502850403 06/13/2014

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------|----------------|
| SRIDHAR R. BALASUBRAMANIAN | 05/15/2014 |
| JOHN A. BROSOVICH | 06/09/2014 |

RECEIVING PARTY DATA

| Name: | BAYER MEDICAL CARE INC. |
|-----------------|-------------------------|
| Street Address: | 1 BAYER DRIVE |
| City: | INDIANOLA |
| State/Country: | PENNSYLVANIA |
| Postal Code: | 15051 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14357224 |

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 412-767-2400

Email: jennifer.rae@bayer.com

Correspondent Name: BAYER MEDICAL CARE INC.

Address Line 1: 1 BAYER DRIVE

Address Line 4: INDIANOLA, PENNSYLVANIA 15051

| ATTORNEY DOCKET NUMBER: | CT/11-012.PCT.US |
|-------------------------|--------------------------|
| NAME OF SUBMITTER: | DAVID SCHRAMM REG. 41295 |
| SIGNATURE: | /David Schramm/ |
| DATE SIGNED: | 06/13/2014 |

Total Attachments: 4

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PATENT 502850403 REEL: 033095 FRAME: 0318

ASSIGNMENT

WHEREAS, We, John F. Kalafut, a citizen and resident of the United States of America, whose post office address is 264 Parker Drive, Pittsburgh, PA 15216; David A. Mishler, a citizen and resident of the United States of America, whose post office address is 1127 Kiester Road, Slippery Rock, PA 16057; Sridhar R. Balasubramanian, a citizen of India and resident of the United States of America, whose post office address is 2707 Stone Cliffe Drive, Monroeville, PA 15146; John A. Brosovich, a citizen and resident of the United States of America, whose post office address is 1515 Orchlee Street, Pittsburgh, PA 15212; Frederick P. Windham, a citizen and resident of the United States of America, whose post office address is 4849 Nottingham Lane, Birmingham, AL 35223; (hereinafter collectively referred to as ASSIGNOR), have invented within the United States and own a certain invention entitled

Methods and Techniques for Collecting, Reporting and Managing Ionizing Radiation Dose

which is described in an application for Letters Patent of the United States of America filed on May 9, 2014 and assigned application Serial No. 14/357,224;

WHEREAS, Bayer Medical Care, Inc., a corporation organized and existing under the laws of the State of Delaware and having a place of business at 1 Bayer Drive, Indianola, PA 15051 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries; and

WHEREAS, ASSIGNOR acknowledges a prior obligation to assign any and all inventions in this field to ASSIGNEE.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries, said application for Letters Patent, and any and all issued Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to ASSIGNEE. Assignor further irrevocably designates and appoints ASSIGNEE and its counsel as his/her attorney-in-fact and agent to act for and on his/her behalf to execute and file any document and to do all other lawfully permitted acts to further the purposes of this Agreement with the same legal force and effect as if executed by ASSIGNOR himself/herself. ASSIGNOR acknowledges that ASSIGNEE is the real party in interest to any and all patent applications described in connection with this Agreement, and to any and all patent rights granted thereon.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

PATENT REEL: 033095 FRAME: 0319 ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

| NAME OF SOLE OR FIRST INVENTOR: | |
|--|---|
| Given Name: | |
| (first and middle [if any]) John F. | Family Name or Surname Kalafut |
| Inventor's signature | Date |
| Residence Address: Pittsburgh, PA | |
| Mailing Address: 264 Parker Drive, Pittsburgh, PA 15216 NOTARIZATION BEFORE ME, the undersigned authority, on this day personally appresson whose name is subscribed above, and acknowledged to consideration therein expressed. Given under my hand and seal of | me that he/she executed the same for the purposes and |
| Notary Public Signature | Notary Public Printed Name: |
| [seal] | [stamp] |
| | |
| | |

| NAME OF SECOND INVENTOR: | A |
|--|---|
| Given Name: | |
| (first and middle [if any]) David A. | Family Name or Surname Mishler |
| | |
| Inventor's signature | Date |
| | |
| Residence Address: Slippery Rock, PA | |
| | |
| Mailing Address: 1127 Kiester Road, Slippery Rock, PA 16057 | |
| NOTARIZATION | |
| BEFORE ME, the undersigned authority, on this day personally appears person whose name is subscribed above, and acknowledged to me consideration therein expressed. Given under my hand and seal of office | that he/she executed the same for the purposes and |
| Notary Public | Notary Public |
| Signature | V |
| Takan Takan | Printed Name: |
| [seal] | [stamp] |
| | |
| | |
| NAME OF THIRD INVENTOR: | |
| Given Name: | |
| | Family Name or Surname Balasubramanian |
| (first and middle [if any]) Sridhar R. | , |
| Inventor's signature B. S. | Date 05/15/14 |
| | |
| Residence Address: Monroeville, PA | |
| | |
| Mailing Address: 2707 Stone Cliffe Drive, Monroeville, PA 15146 | |
| NOTARIZATION | |
| BEFORE ME, the undersigned authority, on this day personally appears person whose name is subscribed above, and acknowledged to me consideration therein expressed. Given under my hand and seal of office | that he/she executed the same for the purposes and |
| Notary Public / / / / / | Notary Public |
| Notary Public Signature | Tourister M. Cax |
| <u> </u> | Printed Name: |
| [seal] | [stamp] COMMONWEALTH OF PENNSYLVANIA |
| | Jennifer M. Rae, Notary Public Indiana Twp., Allegheny County My Commission Expires Feb. 26, 2016 |

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PATENT REEL: 033095 FRAME: 0321

| NAME OF FOURTH INVENTOR: | |
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| "我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的 | |
| Given Name: | |
| (China and Antara) Parisman (S) Building Br | Family Name or Sumame Brosovich |
| (first and middle [if any]) John A. | |
| Inventor's signature QM 11. Van | 1 9 2014 |
| Inventor's signature \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Om Jone J. 2014 |
| Charleton and Addison Water bounds 194 | |
| Residence Address: Pittsburgh, PA | |
| | |
| ASSESSED A REGIONAL PROPERTY OF THE ASSESSED AND ASSESSED ASSESSED. | |
| Mailing Address: 1515 Orchiee Street, Pitteburgh, PA 15212 NOTARIZATION | |
| | 8 |
| BEFORE ME, the undersigned authority, on this day personally app | seared John Droxonck, known to me to be the |
| person whose name is subscribed above, and acknowledged to consideration therein expressed. Given under my hand and seat of | |
| CONTRACTOR OF THE PROPERTY CONTRACTOR OF THE PROPERTY OF THE SECTION OF THE PROPERTY OF THE PR | office, this 9 day of Jove . 20/_> |
| Notary Public 27 / / / / | Notary Public 2 / 2/3 // |
| Notary Public JALLess Signature | Jennyer MKX* |
| | Printed Name: Istampi |
| seal) | Notarial Seal |
| | Jennifer M. Rae, Notary Public Indiana Twp., Allegheny County |
| | My Commission Expires Feb. 26, 2016 |
| | MEMBER, PENNSYLVARIA ASSOCIATION OF NOTARIES |
| | |
| ALABAM FOR EXPENSE CAMPAGENERS. | |
| NAME OF FIFTH INVENTOR: | |
| Given Name: | |
| Given Name; | Family Name or Sumame Windham |
| | Family Name or Sumame Windham |
| Given Name: (first and middle [if any]) FrederickyP. | |
| Given Name: | Family Name or Surname Windham Date 5/14/14 |
| Given Name: (first and middle (if anyl)) FrederickyP. Inventor's signature Fund (1) | |
| Given Name: (first and middle [if any]) FrederickyP. | |
| Given Name: (first and middle [if any]) Frederick P. Inventor's signature | |
| Given Name: (first and middle (if any)) Frederick,P. Inventor's signature Residence Address: Birmingham, AL | Date 5/14/14 |
| Given Name: (first and middle [if any]) FrederickyP. Inventor's signature Third | Date 5/14/14 |
| Given Name: (first and middle (if any)) Frederick P. Inventor's signature Residence Address: Birmingham, AL Mailing Address: 4849 Nottingham Lane, Birmingham, AL 3522 NOTARIZATION | Date 5/14/14 |
| Given Name: (first and middle [if any]) Frederick P. Inventor's signature Residence Address: Birmingham, AL Mailing Address: 4849 Nottingham Lane, Birmingham, AL 352: NOTARIZATION BEFORE ME, the undersigned authority, on this day personally as | Date 5/14/19 13 15 15 15 15 15 15 16 17 17 18 18 19 19 19 19 19 19 19 19 |
| Given Name: (first and middle [if any]) Frederick P. Inventor's signature Residence Address: Birmingham, AL Mailing Address: 4849 Nottingham Lane, Birmingham, AL 352: NOTARIZATION BEFORE ME, the undersigned authority, on this day personally apperson whose name is subscribed above, and acknowledged in | Date 5/14/14 Date 5/14/14 Date 5/14/14 Date 5/14/14 |
| Given Name: (first and middle [if any]) Frederick P. Inventor's signature Residence Address: Birmingham, AL Mailing Address: 4849 Nottingham Lane, Birmingham, AL 352: NOTARIZATION BEFORE ME, the undersigned authority, on this day personally as | Date 5/14/19 Date 5/14/19 Date 5/14/19 Date 5/14/19 |
| Given Name: (first and middle [if any]) Frederick P. Inventor's signature Residence Address: Birmingham, AL Mailing Address: 4849 Nottingham Lane, Birmingham, AL 352: NOTARIZATION BEFORE ME, the undersigned authority, on this day personally apperson whose name is subscribed above, and acknowledged in consideration therein expressed. Given under my hand and seal of Notary Public | peared from to me to be the or me that he/she executed the same for the purposes and of office, this 1915, day of 1000. |
| Given Name: (first and middle [if any]) Frederick P. Inventor's signature Residence Address: Birmingham, AL Mailing Address: 4849 Nottingham Lane, Birmingham, AL 352: NOTARIZATION BEFORE ME, the undersigned authority, on this day personally at person whose name is subscribed above, and acknowledged in consideration therein expressed. Given under my hand and seal of the consideration therein expressed. | peared from to me to be the or me that he/she executed the same for the purposes and of office, this 1915, day of 1000. |
| Given Name: (first and middle (if any)) Frederick P. Inventor's signature Residence Address: Birmingham, AL Mailing Address: 4849 Nottingham Lane, Birmingham, AL 352: NOTARIZATION BEFORE ME, the undersigned authority, on this day personally at person whose name is subscribed above, and acknowledged in consideration therein expressed. Given under my hand and seal of Notary Public Signature | peared from to me to be the or me that he/she executed the same for the purposes and of office, this 1915, day of 1000. |
| Given Name: (first and middle [if any]) Frederick P. Inventor's signature Residence Address: Birmingham, AL Mailing Address: 4849 Nottingham Lane, Birmingham, AL 352: NOTARIZATION BEFORE ME, the undersigned authority, on this day personally apperson whose name is subscribed above, and acknowledged in consideration therein expressed. Given under my hand and seal of Notary Public | Date 5/4/m Date 5 |

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PATENT REEL: 033095 FRAME: 0322