## **506224381 08/27/2020**

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6271124

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

#### **CONVEYING PARTY DATA**

| Name                     | Execution Date |
|--------------------------|----------------|
| MICHAEL MATTHEW FOLKERTS | 07/19/2019     |
| CHRISTEL SMITH           | 06/26/2019     |
| ERIC ABEL                | 09/26/2019     |
| ANTHONY MAGLIARI         | 06/14/2019     |
| RENATE PARRY             | 08/19/2020     |
| ALEXANDER KATSIS         | 08/30/2019     |
| RAJIV DUA                | 08/20/2019     |

#### **RECEIVING PARTY DATA**

| Name:           | VARIAN MEDICAL SYSTEMS, INC. |  |  |
|-----------------|------------------------------|--|--|
| Street Address: | 3100 HANSEN WAY              |  |  |
| City:           | PALO ALTO                    |  |  |
| State/Country:  | CALIFORNIA                   |  |  |
| Postal Code:    | 94304-1038                   |  |  |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16438174 |

#### CORRESPONDENCE DATA

| Fax Number:(408)938-9069Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent<br>using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. |                            |                                     |  |  |
|---|----------------------------|-------------------------------------|--|--|
| Phone:  | 408-9                      | 408-938-9060                        |  |  |
| Email:  | cholla                     | cholland@mhbpatents.com             |  |  |
| Correspondent Name:   | MUR                        | MURABITO, HAO & BARNES LLP (VARIAN) |  |  |
| Address Line 1:   | 111 N                      | 111 NORTH MARKET STREET             |  |  |
| Address Line 2:   | SUIT                       | SUITE 700                           |  |  |
| Address Line 4:   | SAN JOSE, CALIFORNIA 95113 |                                     |  |  |
| ATTORNEY DOCKET NUMBER:   |                            | VAR-2019-022US02                    |  |  |
| NAME OF SUBMITTER:  |                            | JAMES P. HAO                        |  |  |
| SIGNATURE:  |                            | /James P. Hao/                      |  |  |
| DATE SIGNED:  |                            | 08/27/2020                          |  |  |

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PATENT REEL: 053616 FRAME: 0945

| Total Attachments: 7                            |  |
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| source=VAR-2019-022US02_Assignment_US#page5.tif |  |
| source=VAR-2019-022US02_Assignment_US#page6.tif |  |
| source=VAR-2019-022US02_Assignment_US#page7.tif |  |

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Michael Matthew FOLKERTS

do hereby sell, assign, and transfer unto Varian Medical Systems, Inc., a Delaware Corporation having its principal place of business at 3100 Hansen Way. Palo Alto, CA 94304-1038, USA, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

# A MODEL BASED PBS OPTIMIZATION FOR FLASH THERAPY TREATMENT PLANNING AND ONCOLOGY INFORMATION SYSTEM

 X
 Serial No.:
 16/438,174
 filed on
 6/11/2019
 and the inventions set forth

 and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;
 and the inventions set forth

And for the above consideration, I/we agree promptly upon request of Varian Medical Systems, Inc., its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Varian Medical Systems, Inc., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Varian Medical Systems, Inc..

I/we further covenant with Varian Medical Systems, Inc., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

| Inventor's Signature: | Called FTD Da | te: July 19, 2019 |
|-----------------------|---------------|-------------------|
| <b>.</b>              |               |                   |

Michael Matthew FOLKERTS \_\_\_\_\_\_\_

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Christel SMITH

do hereby sell, assign, and transfer unto Varian Medical Systems, Inc., a Delaware Corporation having its principal place of business at 3100 Hansen Way, Palo Alto, CA 94304-1038, USA, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

# A MODEL BASED PBS OPTIMIZATION FOR FLASH THERAPY TREATMENT PLANNING AND ONCOLOGY INFORMATION SYSTEM

- filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or
- X Serial No.: 16/438,174 filed on 6/11/2019 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Varian Medical Systems, Inc., its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Varian Medical Systems, Inc., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Varian Medical Systems, Inc.,

I/we further covenant with Varian Medical Systems, Inc., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature:

Christel Smith

Date: 6/26/19

Christel SMITH

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Eric ABEL

do hereby sell, assign, and transfer unto Varian Medical Systems, Inc., a Delaware Corporation having its principal place of business at 3100 Hansen Way, Palo Alto, CA 94304-1038, USA, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

#### A MODEL BASED PBS OPTIMIZATION FOR FLASH THERAPY TREATMENT PLANNING AND ONCOLOGY INFORMATION SYSTEM

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

and the inventions set forth X Serial No.: 16/438,174 filed on 6/11/2019 and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Varian Medical Systems, Inc., its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Varian Medical Systems, Inc., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by melus in lending such cooperation and assistance are paid by Varian Medical Systems, Inc...

I/we further covenant with Varian Medical Systems, Inc., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our haud(s) and scal:

Inventor's Signature:

Date: 7/26/19

Eric ABEL

rev. 06/01 dbp

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Anthony MAGLIARI

do hereby sell, assign, and transfer unto Varian Medical Systems, Inc., a Delaware Corporation having its principal place of business at 3100 Hansen Way, Palo Alio, CA 94304-1038, USA, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

A MODEL BASED PB5 OPTIMIZATION FOR FLASH THERAPY TREATMENT PLANNING AND ONCOLOGY INFORMATION SYSTEM

- filed berewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereto or therefor; or
- X
   Serial No.:
   16/438,174
   filed on
   6/11/2019
   and the inventions set forth

   and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;
   and the inventions set forth

And for the above consideration, I/we agree promptly upon request of Varian Medical Systems, Inc., its successors or assigns, to execute and defiver without further compensation any power of attorney, assignment, application, whether mighail, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Varian Medical Systems, Inc., its successors and assigns, the inventions described in said application and all platent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of Interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Varian Medical Systems, Inc.,

If we further covenant with Varian Medical Systems, Inc., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property berein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunid set ng/pur hand(4) and seal: Inventor's Signature: Date:

Page 1 of 1

101.0601.000

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we **Renate PARRY** 

do hereby sell, assign, and transfer unto Varian Medical Systems, Inc., a Delaware Corporation having its principal place of business at 3100 Hansen Way, Palo Alto, CA 94304-1038, USA, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

### A MODEL BASED PBS OPTIMIZATION FOR FLASH THERAPY TREATMENT PLANNING AND ONCOLOGY INFORMATION SYSTEM

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

X Serial No.: <u>16/438,174</u> filed on <u>6/11/2019</u> and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Varian Medical Systems, Inc., its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Varian Medical Systems, Inc., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Varian Medical Systems, Inc.,

I/we further covenant with Varian Medical Systems, Inc., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: Renate Parry\_\_\_\_\_ Renate PARRY

\_\_\_\_\_ Date: Aug 19, 2020

rev 06/01 dbb

#### In consideration of good and valuable consideration, receipt of which is hereby acknowledged, l/we Alexander KATSIS

do hereby sell, assign, and transfer unto Varian Medical Systems, Inc., a Delaware Corporation having its principal place of business at 3100 Hansen Way, Palo Alto, CA 94304-1038, USA, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

# A MODEL BASED PBS OPTIMIZATION FOR FLASH THERAPY TREATMENT PLANNING AND ONCOLOGY INFORMATION SYSTEM

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

X Serial No.: 16/438,174 filed on 6/11/2019 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Varian Medical Systems, Inc., its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Varian Medical Systems, Inc., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Varian Medical Systems, Inc.,

I/we further covenant with Varian Medical Systems, Inc., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature:

Alexander KATSIS

Date: ()8/30/2019

REEL: 053616 FRAME: 0952

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Raiiv DUA

do hereby sell, assign, and transfer unto Varian Medical Systems, Inc., a Delaware Corporation having its principal place of business at 3100 Hansen Way, Palo Alto, CA 94304-1038, USA, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

### A MODEL BASED PBS OPTIMIZATION FOR FLASH THERAPY TREATMENT PLANNING AND ONCOLOGY INFORMATION SYSTEM

- filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or
- Serial No.: 16/438,174 filed on 6/11/2019 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto X Serial No.: 16/438.174 which may be granted thereon or therefor;

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In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature:

Rajiv DUA

Date: 08/20/2019

Page 1 of 1

rev, 06/01 dbp

PATENT

REEL: 053616 FRAME: 0953