PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2769173

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| JAMES B. PHILIP JR. | 02/12/2014 |
| CHAOFENG ZOU | 03/06/2014 |

RECEIVING PARTY DATA

| Name: | CARESTREAM HEALTH, INC. | |
|-------------------|--------------------------|--|
| Street Address: | 150 VERONA STREET | |
| Internal Address: | ATTN: PATENT LEGAL STAFF | |
| City: | ROCHESTER | |
| State/Country: | NEW YORK | |
| Postal Code: | 14608 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14173885 |

CORRESPONDENCE DATA

Fax Number: (585)627-6919

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 585-627-6716

Email: patent@carestream.com

Correspondent Name: CARESTREAM HEALTH, INC.

Address Line 1: 150 VERONA STREET

Address Line 2: ATTN: PATENT LEGAL STAFF
Address Line 4: ROCHESTER, NEW YORK 14608

ATTORNEY DOCKET NUMBER: 95437

NAME OF SUBMITTER: KAREN J. TYLER

SIGNATURE: /Karen J. Tyler/

DATE SIGNED: 03/14/2014

Total Attachments: 2

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PATENT 502722569 REEL: 032441 FRAME: 0416

Docket No.: 95437 Customer No. 70523 Carestream Health, Inc.

ASSIGNMENT

For good and valuable consideration received, including salary or payment for the making of inventions, or employee benefits, I/we do hereby assign to Carestream Health, Inc., a Delaware corporation having a principal place of business in Rochester, New York, its successors and assigns, the entire right, title and interest, including priority rights, in and to all of my/our inventions and improvements disclosed in an application for patent for

STABILIZATION AGENTS FOR SILVER NANOWIRE BASED TRANSPARENT CONDUTIVE FILMS

which is [check one]

| X a non-provisional application for patent executed on the date(s) shown below by: a provisional application for patent by: | | |
|---|--|--|
| Assignor # 1: James B. PHILIP JR | Date 2/12/2014 | |
| Assignor # 2: Chaofeng ZOU | Date 3/6/2014 | |
| and [check one] about to be filed X alr in the United States Patent and Trademark Office, together provisional or non-provisional application, and any divisiona thereof, and any applications, including international application part in the United States and all other countries. I/We do he assignment to Carestream Health, Inc. with respect to the entire inventions were made. I/We also do hereby assign to Carest Letters Patent and similar protective rights granted on any of priority rights arising from any of these applications under regulations. I/We agree that any of these applications, at Care the name of Carestream Health, Inc. or its designee. I/We Carestream Health, Inc. may be necessary to obtain any such thereto in Carestream Health, Inc. or its designee. I/We further myself/ourselves, I/we shall furnish to Carestream Health, Inc. other evidence in my/our possession relating to any of said in inter partes legal or administrative proceedings relating thereto similar protective rights that may be granted on any of these issuance shall be requested by Carestream Health, Inc. or its interpreted in all respects in accordance with the laws of the St Signature of Assignor # 1 | I, continuation, substitute. reissue, re-examination application ons, corresponding or being a counterpart thereto in whole or in ereby acknowledge that I/we were subject to an obligation of a right, title and interest in and to said inventions at the time the tream Health, Inc. the entire right, title and interest in and to these applications, as well as the right to claim any applicable the terms of any applicable conventions, treaties, statutes or istream Health, Inc.'s sole discretion, may be filed and issued in agree to execute such documents which in the judgment of a patents and similar protective rights and to maintain the title or its designee any data, information, exhibits, memoranda, or exercise the proventions or improvements and shall testify in any exparte or its I/We authorize and request issuance of all Letters Patent and a applications, to the extent that and in such manner as such as designee. This document shall be governed, construed and | |
| James B. Philip James B. PHILIP JR Date: 02/(2/2014 Witnessed Dalene Philip | Carestream Health, Inc., Rochester, NY 14608 12561 Kelly Sands Way #12 Fort Myers FL 33908 | |
| Signature of Assignor # 2 Chaofeng ZOU Date: | Witness Address, if other than Carestream Health, Inc., Rochester, NY 14608 | |
| Witnessed: | | |

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|---|--|--|
| X a non-provisional application for patent executed on the date(s) shown below by: a provisional application for patent by: | | |
| Assignor # 1: James B. PHILIP JR | Date 2/12/2014 | |
| Assignor # 2: Chaofeng ZOU | Date 3/6/2014 | |
| in the United States Patent and Trademark Office, together provisional or non-provisional application, and any division thereof, and any applications, including international application part in the United States and all other countries. I/We do assignment to Carestream Health, Inc. with respect to the entinventions were made. I/We also do hereby assign to Car Letters Patent and similar protective rights granted on any or priority rights arising from any of these applications under regulations. I/We agree that any of these applications, at Cathe name of Carestream Health, Inc. or its designee. I/We Carestream Health, Inc. may be necessary to obtain any suthereto in Carestream Health, Inc. or its designee. I/We further myself/ourselves, I/we shall furnish to Carestream Health, Incher evidence in my/our possession relating to any of said inter partes legal or administrative proceedings relating there similar protective rights that may be granted on any of the | already filed as USSN: 14/173,885 filed on February 06, 2014 er with said application, and any corresponding or counterpartal, continuation, substitute, reissue, re-examination application tions, corresponding or being a counterpart thereto in whole or in hereby acknowledge that I/we were subject to an obligation of iter right, title and interest in and to said inventions at the time the estream Health, Inc. the entire right, title and interest in and to of these applications, as well as the right to claim any applicable or the terms of any applicable conventions, treaties, statutes or the terms of any applicable conventions, treaties, statutes of a gree to execute such documents which in the judgment of the patents and similar protective rights and to maintain the title are agree that, upon request, but without out-of-pocket expense to be considered to the patents of the patents and similar protective rights and to maintain the title are agree that, upon request, but without out-of-pocket expense to be considered to the patents and similar protective rights and to maintain the title are agree that, upon request, but without out-of-pocket expense to be constructed and inventions or improvements and shall testify in any exparte of the I/We authorize and request issuance of all Letters Patent and the expensive patents and shall be governed, construed and State of New York, USA. Witness Address, if other than | |
| | Carestream Health, Inc., Rochester, NY 14608 | |
| James B. PHILIP JR | | |
| | | |
| Date: | | |
| Witnessed: | | |
| Signature of Assignor # 2 Chaofeng ZOU Date: 3/6/2014 | Witness Address, if other than Carestream Health, Inc., Rochester, NY 14608 | |
| Witnessed: [Red L. Chr. ha-xa] | | |

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