

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5648199

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DEAN ZAHN DOUTHAT | 08/01/2019 |
| JANG HWAN CHO | 08/01/2019 |
| RECEIVING PARTY DATA | |
| Name: | ENDRA LIFE SCIENCES INC. |
| Street Address: | 3600 GREEN COURT, SUITE 350 |
| City: | ANN ARBOR |
| State/Country: | MICHIGAN |
| Postal Code: | 48105 |
| PROPERTY NUMBERS Total: 2 | |
| Property Type | Number |
| Application Number: | 16279608 |
| Application Number: | 16279626 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <i>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.</i> | |
| Phone: | 7343588039 |
| Email: | sjelic@endrainc.com |
| Correspondent Name: | STANLEY EMIL JELIC |
| Address Line 1: | 3600 GREEN COURT, SUITE 350 |
| Address Line 4: | ANN ARBOR, MICHIGAN 48105 |
| ATTORNEY DOCKET NUMBER: | E014NPUS-E017NPUS |
| NAME OF SUBMITTER: | STANLEY EMIL JELIC |
| SIGNATURE: | /Stanley Emil Jelic/ |
| DATE SIGNED: | 08/01/2019 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |
| Total Attachments: 4 | |
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| source=E014-E017-signed-ASSN#page2.tif | |
| source=E014-E017-signed-ASSN#page3.tif | |

Assignment of Invention and Patent Rights

For value received, Jang Hwan Cho of Ann Arbor, Michigan (hereinafter ASSIGNOR), hereby sells, assigns, transfers, and sets over unto ENDRA Life Sciences Inc. of Ann Arbor, Michigan and his or her successors or assigns (hereinafter ASSIGNEE), 100% of the following:



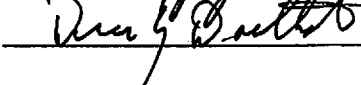
1. ASSIGNOR'S right, title, and interest in and to the invention entitled "SYSTEMS AND METHODS FOR THERMOACOUSTIC TRANSDUCER OPTIMIZATION", USPTO Non-Provisional Utility Patent Application Number 16/279,608, filed 19FEB2019;
2. any patent or any reissues of any patent, foreign or domestic, that may be granted thereon; and
3. any applications which are continuations, continuations-in-part, substitutes, or divisions of said application.

ASSIGNOR also authorizes and requests the USPTO to issue any resulting patent(s) as follows: 0% to ASSIGNOR and 100% to ASSIGNEE. (The singular shall include the plural and vice versa herein.)

ASSIGNOR hereby further sells, assigns, transfers, and sets over unto ASSIGNEE, the above percentage of ASSIGNOR'S entire right, title, and interest in and to said invention in all countries foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE the above percentage of all priority rights resulting from the above-identified application for United States patent.

ASSIGNOR agrees to execute all papers, give any required testimony, and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to perfect ASSIGNEE'S interest in any patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold validity of said patent and reissues and extensions thereof, and ASSIGNEE'S interest therein.

In testimony whereof ASSIGNOR has signed as given below.

| | | | |
|-------------------------|---|------|---------------------|
| Signature |  | Date | <u>8/1/2019</u> |
| Witnessed by: Signature |  | Date | <u>Aug. 1, 2019</u> |
| Witnessed by: Signature |  | Date | <u>AUG 1, 2019</u> |

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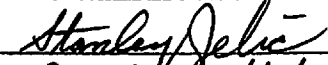
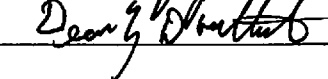
1. ASSIGNOR'S right, title, and interest in and to the invention entitled "METHOD AND SYSTEM FOR RECONSTRUCTING A THERMOACOUSTIC IMAGE", USPTO Non-Provisional Utility Patent Application Number 16/279,626, filed 19FEB2019;
2. any patent or any reissues of any patent, foreign or domestic, that may be granted thereon; and
3. any applications which are continuations, continuations-in-part, substitutes, or divisions of said application.

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In testimony whereof ASSIGNOR has signed as given below.

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|-------------------------|---|------|---------------------|
| Signature |  | Date | <u>8/11/2019</u> |
| Witnessed by: Signature |  | Date | <u>Aug. 1, 2019</u> |
| Witnessed by: Signature |  | Date | <u>AUG. 1, 2019</u> |

Assignment of Invention and Patent Rights

For value received, Dean Zahn Douthat of Saline, Michigan (hereinafter ASSIGNOR), hereby sells, assigns, transfers, and sets over unto ENDRA Life Sciences Inc. of Ann Arbor, Michigan and his or her successors or assigns (hereinafter ASSIGNEE), 100% of the following:

1. ASSIGNOR'S right, title, and interest in and to the invention entitled "SYSTEMS AND METHODS FOR THERMOACOUSTIC TRANSDUCER OPTIMIZATION", USPTO Non-Provisional Utility Patent Application Number 16/279,608, filed 19FEB2019;
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In testimony whereof ASSIGNOR has signed as given below.

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|-------------------------|------------------------|------|---------------------|
| Signature | <u>Dean J. Douthat</u> | Date | <u>8/1/2019</u> |
| Witnessed by: Signature | <u>[Signature]</u> | Date | <u>8/1/2019</u> |
| Witnessed by: Signature | <u>Stanley Jelic</u> | Date | <u>Aug. 1, 2019</u> |

Assignment of Invention and Patent Rights

For value received, Dean Zahn Douthat of Saline, Michigan (hereinafter ASSIGNOR), hereby sells, assigns, transfers, and sets over unto ENDRA Life Sciences Inc. of Ann Arbor, Michigan and his or her successors or assigns (hereinafter ASSIGNEE), 100% of the following:

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|-------------------------|-----------------------|------|---------------------|
| Signature | <u>Dean J Douthat</u> | Date | <u>8/1/2019</u> |
| Witnessed by: Signature | <u>[Signature]</u> | Date | <u>8/1/2019</u> |
| Witnessed by: Signature | <u>Stanley Jelic</u> | Date | <u>Aug. 2, 2019</u> |