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| PATENT ASSIGNMENT COVER SHEET |
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EPAS ID: PAT5275387

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| BRETT D. WELCH | 09/28/2018 |
| RECEIVING PARTY DATA | |
| Name: | NAVIGEN, INC. |
| Street Address: | 383 COLOROW DRIVE |
| City: | SALT LAKE CITY |
| State/Country: | UTAH |
| Postal Code: | 84108 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15513959 |
| CORRESPONDENCE DATA | |
| Fax Number: | (206)682-6031 |
| <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: | 206-622-4900 |
| Email: | friedacramer@seedip.com |
| Correspondent Name: | EILEEN S. SUN, PH.D. |
| Address Line 1: | SEED IP LAW GROUP LLP |
| Address Line 2: | 701 FIFTH AVENUE, SUITE 5400 |
| Address Line 4: | SEATTLE, WASHINGTON 98104 |
| ATTORNEY DOCKET NUMBER: | 690181.403USPC |
| NAME OF SUBMITTER: | EILEEN S. SUN |
| SIGNATURE: | /Eileen S. Sun/ |
| DATE SIGNED: | 12/10/2018 |
| Total Attachments: 2 | |
| source=Assignment - Welch - Executed#page1.tif | |
| source=Assignment - Welch - Executed#page2.tif | |

ASSIGNMENT

WHEREAS, I,

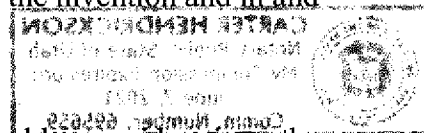
| Name | Address |
|----------------|---|
| Brett D. Welch | 3522 South Millhaven Circle, Salt Lake City, UT 84109 |

(hereinafter referred to as ASSIGNOR), having a mailing address as listed above, am the sole inventor of an invention entitled "EBOLAVIRUS PRE-HAIRPIN INTERMEDIATE MIMICS AND METHODS OF USE," as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 15/513,959; which application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/US2015/052061, accorded an International Filing Date of September 24, 2015;

WHEREAS,

| Corporation Name | Address |
|------------------|---|
| Navigen, Inc. | 383 Colorow Drive, Salt Lake City, UT 84108 |

(hereinafter referred to as ASSIGNEE), having a usual place of business at the address listed above, 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;



NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers 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 including any extensions or adjustments in term thereof, and in any and all divisions, reissues and continuations thereof, including the right to sue and collect damages for past and present infringement of said letters patent; said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for litigation

regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

9/28/18
Date

Brett D. Welch (Assignor)
Brett D. Welch

State of Utah)

County of Salt Lake) ss.

I certify that I know or have satisfactory evidence that Brett D. Welch is the person who appeared before me, and said person acknowledged that she/he signed this instrument and acknowledged it to be her/his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 9/28/18

Signature of Notary Public *Carter Hendrickson*

Printed Name Carter Hendrickson

My appointment expires June 7, 2021

