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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| PATRICK SOON-SHIONG | 05/05/2017 |
| RECEIVING PARTY DATA | |
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| Street Address: | 9920 JEFFERSON BOULEVARD |
| City: | CULVER CITY |
| State/Country: | CALIFORNIA |
| Postal Code: | 90232 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16994355 |
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| ATTORNEY DOCKET NUMBER: | 10077-2005703 |
| NAME OF SUBMITTER: | EMILY SULLENBERGER |
| SIGNATURE: | /Emily Sullenberger/ |
| DATE SIGNED: | 08/24/2020 |
| Total Attachments: 2 | |
| source=10077-20057XX Assignment (PSS to NHI)#page1.tif | |
| source=10077-20057XX Assignment (PSS to NHI)#page2.tif | |

CONFIRMATORY PATENT ASSIGNMENT

WHEREAS, Patrick Soon-Shiong, an individual with a mailing address at 9920 Jefferson Boulevard, Culver City, California 90232 (hereinafter "ASSIGNOR"), is the inventor of subject matter described in the Patents and Patent Applications shown on Schedule A, attached hereto, and is the owner of right, title and interest in and to those Patents and Patent Applications (Collectively referred to as "Patent Rights").

WHEREAS, Nant Holdings IP, LLC, a Delaware company with a mailing address at 9922 Jefferson Boulevard, Culver City, California 90232 (hereinafter "ASSIGNEE") desires to secure and confirm the assignment from ASSIGNOR of ASSIGNOR's entire, right, title and interest in, to and under the said Patent Rights;

NOW THEREFORE, for good and valuable consideration, the receipt whereof is acknowledged, ASSIGNOR effective as of November 2, 2012 does hereby sell, assign, transfers, conveys and delivers unto said ASSIGNEE all of its right, title and interest in and to the Patent Rights along with all of its rights to forms of industrial property protection, including, without limitation, patents, utility models, inventor certificates and designs which may be granted or which have been granted for the invention embodied in the Patent Rights, and all divisions, renewals, continuations, and continuations-in-part thereof, in any country or countries foreign to the United States and all extensions, renewals and reissues thereafter; the same to be held and enjoyed by the said ASSIGNEE for its own use and behalf, and for its legal representatives and assigns, to the full end of the term for which said Patent Rights are granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment not been made, together with all income, royalties, damages, and payments hereafter due or payable to ASSIGNOR with respect to the Patent Rights, including without limitation unpaid damages and payment for past, present, and future infringements of Patent Rights, and all rights to sue and recover damages and payments for past, present, and future infringements of the Patent Rights, including the right to fully and entirely replace ASSIGNOR in all matters related thereto.

In furtherance of this instrument, ASSIGNOR hereby acknowledges that, from the effective date of November 2, 2012 and from that date forward, ASSIGNEE has succeeded to all right, title, interest and standing of ASSIGNOR to: (a) receive all rights and benefits pertaining to the Patent Rights; (b) institute and prosecute all suits and proceedings and take all actions that ASSIGNEE, in its sole discretion, may deem necessary or proper to collect, assert, or enforce any claim, right, or title of any kind in and to any and all the Patent Rights; and (c) defend and comprise any and all such actions, suits, or proceedings relating to such Patent Rights and do all other such acts and things in relation thereto as ASSIGNEE, in its sole discretion, deem advisable.

SIGNATURE OF ASSIGNOR

By: _____

Date: _____

Name: Patrick Soon-Shiong

Schedule A

Listed Assigned Patent Rights

| Title | Application Number/ Patent Number | Filing Date/ Issue Date |
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| VIRTUAL PLANOGRAM MANAGEMENT, SYSTEMS, AND METHODS | US 13/667,965 USP 9,430,752 | November 2, 2012 August 30, 2016 |
| VIRTUAL PLANOGRAM MANAGEMENT, SYSTEMS, AND METHODS | US 13/667,988 USP 9,336,508 | November 2, 2012 May 10, 2016 |
| VIRTUAL PLANOGRAM MANAGEMENT, SYSTEMS AND METHODS | PCT/US2013/068160 | November 1, 2013 |
| VIRTUAL PLANOGRAM MANAGEMENT, SYSTEMS AND METHODS | JP 2015-541827 | May 7, 2015 |
| VIRTUAL PLANOGRAM MANAGEMENT, SYSTEMS AND METHODS | EP 13852221.4 | June 2, 2015 |
| VIRTUAL PLANOGRAM MANAGEMENT, SYSTEMS AND METHODS | KR 2015-7014550 | June 1, 2015 |
| VIRTUAL PLANOGRAM MANAGEMENT SYSTEMS AND METHODS | US 14/528,852 USP 9,536,218 | October 30, 2014 January 3, 2017 |
| VIRTUAL PLANOGRAM MANAGEMENT SYSTEMS AND METHODS | US 15/213,154 | July 18, 2016 |