

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5333899

|                                                                                                                                                                                                 |                                 |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                  |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | NUNC PRO TUNC ASSIGNMENT        |                       |
| <b>EFFECTIVE DATE:</b>                                                                                                                                                                          | 10/16/2017                      |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                 |                       |
|                                                                                                                                                                                                 | <b>Name</b>                     | <b>Execution Date</b> |
|                                                                                                                                                                                                 | NICHOLAS J. WITCHEY             | 09/25/2018            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                 |                       |
| <b>Name:</b>                                                                                                                                                                                    | NANTWORKS, LLC                  |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 9922 JEFFERSON BOULEVARD        |                       |
| <b>City:</b>                                                                                                                                                                                    | CULVER CITY                     |                       |
| <b>State/Country:</b>                                                                                                                                                                           | CALIFORNIA                      |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 90232                           |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                 |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>            | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:             | 15785008              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                 |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (949)855-6371                   |                       |
| <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> |                                 |                       |
| <b>Phone:</b>                                                                                                                                                                                   | 949-855-1246                    |                       |
| <b>Email:</b>                                                                                                                                                                                   | knelson@stetinalaw.com          |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | STETINA BRUNDA GARRED & BRUCKER |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | 75 ENTERPRISE, SUITE 250        |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | ALISO VIEJO, CALIFORNIA 92656   |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | NANHG-007A                      |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | WILLIAM J. BRUCKER              |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /WILLIAM J. BRUCKER/            |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 01/18/2019                      |                       |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                 |                       |
| source=ASSGN_2018-09-25_PAT.000562.US001_ExecNJW-NW (Updated)_WithInsertedDate#page1.tif                                                                                                        |                                 |                       |
| source=ASSGN_2018-09-25_PAT.000562.US001_ExecNJW-NW (Updated)_WithInsertedDate#page2.tif                                                                                                        |                                 |                       |

## ASSIGNMENT

This patent assignment is made effective as of **October 16, 2017** by and between **Nicholas J. Witchey**, an individual, and **NantWorks, LLC**, a Delaware limited liability company.

**WHEREAS**, the undersigned, **Nicholas J. Witchey**, an individual, (referred to hereinafter as "ASSIGNOR") has invented a certain invention entitled "IMAGE-BASED CIRCULAR PLOT RECOGNITION AND INTERPRETATION", for which a non-provisional application for Letters of Patent of the United States of America was filed on **October 16, 2017** having Application Serial Number **15/785,008**, which together with related experimental data, trade secret, and other know-how is referred to hereinafter as the INVENTION;

**WHEREAS**, **NantWorks, LLC** a company having its principal place of business at **9922 Jefferson Boulevard, Culver City, California 90232**, (referred to hereinafter as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in, to and under said INVENTION, and in, to and under Letters Patent or similar legal protection to be, or having been, obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto;

**NOW, THEREFORE**, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto the ASSIGNEE, its successors and assigns his entire title, right and interest in and to the INVENTION, and to all Letters Patent or similar legal protection arising therefrom, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said INVENTION by said application or any continuation, continuation-in-part, divisional, renewal, substitute, reissue or reexamination thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted, including all priority rights under any International Convention.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said INVENTION, including the patent application listed above, and any Letters Patent and legal equivalents in foreign countries issuing therefrom as may be known and accessible to ASSIGNOR, and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said INVENTION and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

ASSIGNOR and ASSIGNEE each covenant to perform all acts and execute and deliver all documents as may be necessary or appropriate to carry out the intent and purposes of this assignment.

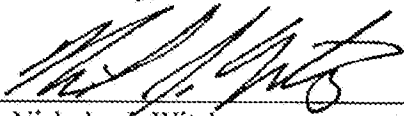
This assignment embodies the entire understanding of ASSIGNOR and ASSIGNEE and supersedes and replaces any and all pre-existing assignments or understandings between ASSIGNOR and ASSIGNEE. No amendment or modification of this assignment shall be valid or binding upon ASSIGNOR or ASSIGNEE unless made in writing and signed on behalf of each of ASSIGNOR and ASSIGNEE by their respective duly authorized representative.

ASSIGNOR acknowledges that ASSIGNEE may appoint any attorney or practitioner of ASSIGNEE'S choice to prosecute any application or other legal proceeding involving said invention and ASSIGNOR further acknowledges that any attorney or practitioner so appointed by ASSIGNEE does not represent ASSIGNOR in this matter and that such appointment by ASSIGNEE does not create any attorney-client relationship between ASSIGNOR and any attorney or practitioner appointed by ASSIGNEE, in this or in any PCT or other family applications.

ASSIGNOR HEREBY GRANTS to the law firm of **Stetina Brunda Garred & Brucker** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office and any rules of any country or countries foreign to the United States for recordation. ASSIGNOR hereby further authorizes and requests ASSIGNEE's attorney to insert or correct above the relevant application number(s) and filing date(s) of said application(s) when known.

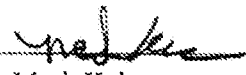
This Agreement may be executed in any number of counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

EXECUTED at:

Culver City, CA, this 25th day of September, 2017  
 City, State Month 2018 NW  
 10/30/2018  
 By:   
 Nicholas J. Witchey

ACCEPTANCE AND SIGNATURE OF ASSIGNEE

ASSIGNEE hereby accepts this assignment. The undersigned, whose title is supplied below, is authorized to act on behalf of ASSIGNEE

By:   
 Name: Mark Kokes  
 Title: Chief Intellectual Property Officer  
 Date: 9/25/18