

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5218675

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PEK YEE LUM	10/22/2015
EITHON CADAG	09/28/2015
JOHAN GRAHNEN	09/11/2015
JOSHUA LEWIS	09/27/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AYASDI, INC.
<b>Street Address:</b>	4400 BOHANNON DRIVE, SUITE 200
<b>City:</b>	MENLO PARK
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94025
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16113809
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)815-2601
<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>	(650) 815-2600
<b>Email:</b>	kmerrimac@sheppardmullin.com, svpatents@sheppardmullin.com
<b>Correspondent Name:</b>	SHEPPARD, MULLIN, RICHTER & HAMPTON LLP
<b>Address Line 1:</b>	379 LYTTON AVENUE
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94301
<b>ATTORNEY DOCKET NUMBER:</b>	20WH-196026-US
<b>NAME OF SUBMITTER:</b>	DANIEL C. KLOKE
<b>SIGNATURE:</b>	/Daniel C. Klope/
<b>DATE SIGNED:</b>	11/01/2018
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

(1-8) *Insert Name(s) of Inventor(s)* (1) Pek Yee Lum (2) Eithon Cadag  
(3) Johan Grahnen (4) Joshua Lewis

For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned agree(s) to and hereby do(es) sell, assign, transfer and set over to:

(9) *Insert Name of Assignee* (9) Ayasdi, Inc.

(10) *Insert Entity Type and State/Country of Formation* (10) A California corporation

(11) *Insert Address of Assignee* (11) located at 4400 Bohannon Drive, Suite 200, Menlo Park, California 94025, U.S.A.  
(hereinafter designated as the Assignee) the entire worldwide right, title, and interest in and to all inventions and subject matter contained in

(12) *Insert Identification of Invention* (12) CONSENSUS SEQUENCE IDENTIFICATION  
(Docket No. 20WH-196026, Serial No. 14/597,156), for which an application for patent has been filed / is being filed on even date herewith in the United States

(13) *Insert Date of Filing of Application* (13) on January 14, 2015

and in any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions; and in any and all patents and legal protections that have been obtained or shall be obtained in the United States and in all foreign countries for said inventions or subject matter, and in any and all causes of action, past and future, and damages accruing in connection therewith.

1) The undersigned agree(s) to execute all papers necessary or deemed expedient by the Assignee, including all oaths, declarations, assignments, and powers of attorney, in connection with the application, with any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, with any and all patents and legal protections that have been obtained or shall be obtained in the United States and in all foreign countries, and with any and all causes of action, past and future, and damages accruing in connection therewith.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference, derivative proceeding, reexamination, opposition, post grant proceeding, and any other legal proceeding or cause of action which may be declared concerning this application, any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, and any and all patents and legal protections that have been obtained or shall be

obtained in the United States and in all foreign countries, and to cooperate with the Assignee in every way possible in obtaining evidence, including evidence of conception, reduction to practice and/or inventorship as needed.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of any valid United States patent or patent in any foreign country to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents to the Assignee, its successors and assigns, as Assignee of the entire right, title and interest resulting from said application, and any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, and hereby covenant(s) that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s)

**Marc A. Sockol, Reg. No. 40,823; James W. Soong, Reg. No. 40,824; Daniel C. Kloke, Reg. No. 58,417; William F. Ahmann, Reg. No. 52,548; Carina M. Tan, Reg. No. 45,769; Mukund H. Sharma, Reg. No. 64,692; Ryan P. Davis, Reg. No. 68,412; David D. Shen, Reg. No. 63,116; Siraj Husain, Reg. No. 69,111, Benjamin E. Berman, Reg. No. 61,507 and all attorneys and agents associated with Customer No. 69849**

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date 22 Oct 2015

  
Pek Yee Lum

Date \_\_\_\_\_

Eithon Cadag

Date \_\_\_\_\_

Johan Grahnen

Date \_\_\_\_\_

Joshua Lewis

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Date \_\_\_\_\_

Date **28 Sep 2015**

Date \_\_\_\_\_

Date \_\_\_\_\_

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Pek Yee Lum

\_\_\_\_\_  
Eithon Cadag

\_\_\_\_\_  
Johan Grahnen

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Date \_\_\_\_\_

\_\_\_\_\_  
Pek Yee Lum

Date \_\_\_\_\_

\_\_\_\_\_  
Eithon Cadag

Date 9/11/15

  
\_\_\_\_\_  
Johan Grahnen

Date \_\_\_\_\_

\_\_\_\_\_  
Joshua Lewis

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Date \_\_\_\_\_

\_\_\_\_\_  
Pek Yee Lum

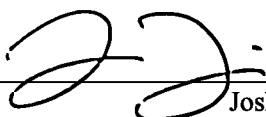
Date \_\_\_\_\_

\_\_\_\_\_  
Eithon Cadag

Date \_\_\_\_\_

\_\_\_\_\_  
Johan Grahnen

Date 9/27/2015

  
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Joshua Lewis