505505608 06/03/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5552412

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PANAXIUM SAS	01/02/2019

RECEIVING PARTY DATA

Name:	ORTHOGONAL, INC.
Street Address:	1999 LAKE AVE.
City:	ROCHESTER
State/Country:	NEW YORK
Postal Code:	14650

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14547735

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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.

Phone: 6123325300

Email: ccatalano@merchantgould.com

Correspondent Name: TONG WU

Address Line 1: 80 SOUTH EIGHTH STREET

Address Line 2: 3200 IDS CENTER

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	16480.0020USU1
NAME OF SUBMITTER:	TONG WU
SIGNATURE:	/Tong Wu/
DATE SIGNED:	06/03/2019

Total Attachments: 4

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PATENT 505505608 REEL: 049349 FRAME: 0112

PATENT ASSIGNMENT AGREEMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration, receipt of which is hereby acknowledged, **Panasium SAS.**, a corporation organized and existing under the laws of the France and having an office and place of business at 67 Cours Mirabeau, 13100 Aix-en-Provence, France (hereafter referred to as the "Assignor"), hereby sells and assigns to **Orthogonal, Inc.**, a corporation formed under the laws of the State of Delaware, having an office and place of business at 1999 Lake Ave, Rochester NY 14650 (hereafter referred to as the "Assignee"), its entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world,

- (a) in each of the Patents and Patent Applications that are described in detail in Schedule A, annexed hereto and made a part hereof, and
- (b) in any and all applications that claim the benefit of the Patents and Patent Applications described in detail in Schedule A, including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals, and reexaminations of such Patents and Patent Applications, to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in each of the Patents and Patent Applications that are described in detail on Schedule A, and in all forms of intellectual and industrial property protection derivable therefrom, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such Patents and Patent Applications, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and

B

PATENT REEL: 049349 FRAME: 0113 sale not been made.

The Assignor agrees to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The Assignor agrees to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the Patents and Patent Applications or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee at Assignee's expense in every reasonable way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The Assignor agrees to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The Assignor hereby represents that Assignor has full right and authority to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict therewith.



PATENT REEL: 049349 FRAME: 0114

SIGNED on behalf of the said ASSIGNOR,

By: Bradley Demidt

Name: Bridgey SCHMIDT

Title: Representation of the Resolut, ONTHRO 252153

Date: January 2, 2019

Orthogonal, Inc.

2019

Title:

Represent of the Rescent, DN

Date:

Signed on behalf of the said ASSIGNEE,

Orthogonal, Inc.

Name:

John DeFranco

Title:

President & CEO

Date:

January 4,

PATENT REEL: 049349 FRAME: 0115

${\bf Schedule}\, {\bf A-Assigned}\,\, {\bf Patents}\,\, {\bf and}\,\, {\bf Patent}\, {\bf Applications}$

UNITED STATES PATENTS, UNITED STATES PATENT APPLICATIONS AND INTERNATIONAL APPLICATIONS THAT DESIGNATE THE UNITED **STATES**

Application No.	Filing Date	Patent No.	Issue Date
14/547,735	11/19/2014	US9217926	12/22/2015
14/943,634	11/17/2015	US9530976	12/27/2016
14/547,774	11/19/2014	US20150140289	

OTHER INTERNATIONAL APPLICATIONS AND PATENTS

Country	Application No.	Filing Date	Patent No.
EP	14841423.8	11/19/2014	

RECORDED: 06/03/2019

REEL: 049349 FRAME: 0116

PATENT