

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

Assignment ID: PATI513997

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Orthogrid Systems Holdings, LLC	09/23/2024

**RECEIVING PARTY DATA**

<b>Company Name:</b>	Orthogrid Systems, Inc.
<b>Street Address:</b>	7026 Commerce Park Dr #200
<b>City:</b>	Midvale
<b>State/Country:</b>	UTAH
<b>Postal Code:</b>	84047

**PROPERTY NUMBERS Total: 25**

Property Type	Number
Patent Number:	D664661
Patent Number:	D788300
Patent Number:	D799037
Patent Number:	D846581
Patent Number:	D910652
Patent Number:	D979578
Patent Number:	8611504
Patent Number:	9456874
Patent Number:	9610134
Patent Number:	10052170
Patent Number:	10098707
Patent Number:	10201320
Patent Number:	10258427
Patent Number:	10463435
Patent Number:	10991070
Patent Number:	11386556
Patent Number:	10973590
Patent Number:	11589928
Patent Number:	11540794
Patent Number:	11937888

PATENT

Property Type	Number
Patent Number:	11883219
Application Number:	18584005
Application Number:	18139471
Application Number:	17877897
Application Number:	18244504

**CORRESPONDENCE DATA**

**Fax Number:**

*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:** 9013716664

**Email:** sfentress@veritaygroup.com

**Correspondent Name:** Ms. susan B fentress

**Address Line 1:** PO BOX 770029

**Address Line 4:** Memphis, TENNESSEE 38117

**ATTORNEY DOCKET NUMBER:** 22240

**NAME OF SUBMITTER:** Susan Fentress

**SIGNATURE:** Susan Fentress

**DATE SIGNED:** 09/23/2024

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 7**

- source=Assignmentunsignedpages5-combined#page1.tiff
- source=Assignmentunsignedpages5-combined#page2.tiff
- source=Assignmentunsignedpages5-combined#page3.tiff
- source=Assignmentunsignedpages5-combined#page4.tiff
- source=Assignmentunsignedpages5-combined#page5.tiff
- source=Assignmentunsignedpages5-combined#page6.tiff
- source=Assignmentunsignedpages5-combined#page7.tiff

## **ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS, OrthoGrid Systems Holdings, LLC (hereinafter referred to as "Assignor") owns certain inventions (the "Invention" or "Inventions") are entitled:

ALIGNMENT PLATE APPARATUS for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 07-31-2012 and was assigned Patent No. D664,661 of the same title.  
and

GRID POSITIONING DEVICE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 05-30-2017 and was assigned Patent No. D788,300 of the same title; and

GRID POSITIONING DEVICE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 10-03-2017 and was assigned Patent No. D799,037 of the same title; and

DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE SHOWING AN IMAGE OF A MEDICAL IMPLANT for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 04-23-2019 and was assigned Patent No. D846,581 of the same title; and

DISPLAY SCREEN OR PORTION THEREOF WITH A GRAPHICAL USER INTERFACE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and was granted on 2/16/2021 and was assigned Patent No. D910652 of the same title; and

DISPLAY SCREEN OR PORTION THEREOF WITH A GRAPHICAL USER INTERFACE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and was granted on 2/28/2023 and was assigned Patent No. D979578 of the same title; and

ALIGNMENT PLATE APPARATUS AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 12-17-2013 and was assigned Patent No. 8,611,504 of the same title; and

GRID PATTERNED ALIGNMENT PLATE FOR IMAGING APPARATUS AND METHOD OF PROVIDING IMPLANT PLACEMENT for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 10-04-2016 and was assigned Patent No. 9,456,874 of the same title; and

ALIGNMENT PLATE APPARATUS AND SYSTEM AND METHOD OF USE WITH VIRTUAL ALIGNMENT GRID for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 04-04-2017 and was assigned Patent No. 9,610,134 of the same title; and

MIXED REALITY IMAGING SYSTEM, APPARATUS AND SURGICAL SUITE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 08-21-2018 and was assigned Patent No. 10,052,170 of the same title; and

SURGICAL POSITIONING SYSTEM, APPARATUS AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 10-16-2018 and was assigned Patent No. 10,098,707 of the same title; and

DEFORMED GRID BASED INTRA-OPERATIVE SYSTEM AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 02-12-2019 and was assigned Patent No. 10,201,320 of the same title; and

MIXED REALITY IMAGING APPARATUS AND SURGICAL SUITE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 04-16-2019 and was assigned Patent No. 10,258,427 of the same title; and

SURGICAL INSTRUMENT POSITIONING SYSTEM, APPARATUS AND METHOD OF USE AS A NONINVASIVE ANATOMICAL REFERENCE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 11-05-2019 and was assigned Patent No. 10,463,435 of the same title; and

METHOD OF PROVIDING SURGICAL GUIDANCE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and the Patent was granted on 04-27-2021 and was assigned Patent No. 10,991,070 of the same title; and

DEFORMED GRID BASED INTRA-OPERATIVE SYSTEM AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); and was granted on 7/12/2022 and was assigned Patent No. 11,386,556 of the same title; and

ARTIFICIAL INTELLIGENCE INTRA-OPERATIVE SURGICAL GUIDANCE SYSTEM AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO") on 10/3/2020; the Patent was granted on 04-13-2021 and was assigned Patent No. 10,973,590 of the same title; and

AN ARTIFICIAL INTELLIGENCE INTRA-OPERATIVE SURGICAL GUIDANCE SYSTEM AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO") 6/30/2020; the patent was granted on 2/28/2023 and was assigned Patent No. 11,589,928 of the same title; and

AN ARTIFICIAL INTELLIGENCE INTRA-OPERATIVE SURGICAL GUIDANCE SYSTEM AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); 2/9/2022 the patent was granted on 1/3/2023 and was assigned Patent No. 11,540,794 of the same title; and

AN ARTIFICIAL INTELLIGENCE INTRA-OPERATIVE SURGICAL GUIDANCE SYSTEM for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO"); on 1/20/2023 and was granted on 3/26/2024 and was assigned Patent No. 11,937,888 of the same title; and

AN ARTIFICIAL INTELLIGENCE INTRA-OPERATIVE SURGICAL GUIDANCE SYSTEM AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO") on 8/25/2022 the patent was granted on 1/30/2024 and was assigned Patent No. 11,883,219 of the same title; and

**Artificial Intelligence Intra-Operative Surgical Guidance System and Method of Use** for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO") on 2/22/2024 and was assigned serial no. 18/584,005; and

THREE-DIMENSIONAL DUAL FIDUCIAL-SENSOR TRACKABLE DEVICE AND METHOD OF USE for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO") on 4/26/2023 and was assigned serial no. 18/139,471; and

Surgical Image Processing Method and System for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO") on 7/30/2022 and was assigned serial no. 17/877,897; and

System and Method for Determining Pelvic Tilt Based on Antero-Posterior Radiographic Images for Intraoperative Alignment of an Acetabular Component for which application (the "Application") for Letters Patent (the "Patent") in the United States was filed with the United States Patent and Trademark Office (the "USPTO") on 9/11/2023 and was assigned serial no. 18/244,504.

WHEREAS it is the intention of Assignor that patent rights in and to the above Inventions, and any and all improvement thereto, shall belong to:

OrthoGrid Systems, Inc.  
7026 Commerce Park Dr #200  
Midvale, UT 84047

(hereinafter referred to as "Assignee"); and

WHEREAS, Assignee desires to acquire the entire right, title and interest in and to the Application, and the Inventions, and in and to all embodiments of the Inventions heretofore conceived, made or discovered by Assignor, and in and to any and all patents (including but not limited to continuation applications, CIP applications and reissue patents), inventor's certificates and other forms of protection (hereinafter referred to as "Patents") thereon granted in any and all countries and group of countries; and

WHEREAS, Assignor intends to assign said rights.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, acknowledged by said Assignor to have been received in full of Assignee:

1. Said Assignor hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to the Application and the Invention listed herein; (b) in and to all rights to apply for patents on the Inventions in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Application filed and any and all Patent granted on the Inventions in any and all countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, continuation or CIP of





said Application; and (d) in and to each and every reissue or extension of any said Patents.

2. Assignor covenant and agree to cooperate with Assignee to enable Assignee to enjoy to the fullest extent the right, title and interest to the Invention herein conveyed in any and all countries and groups of countries. Such cooperation by Assignor shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by Assignee (a) for perfecting in Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the Applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering the Invention; (d) for filing and prosecuting applications for reissuance of any of the Patents; (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the reasonable travel, business and legal expenses incurred by Assignor in providing such cooperation shall be paid by Assignee.
3. The terms and covenants of this Agreement shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, and Assignor's respective heirs, legal representatives and assigns.
4. Assignor hereby warrants and represents that Assignor has not entered into and will not enter into any assignment, contract, or understanding in conflict herewith.

Assignor has executed and delivered this instrument to Assignee on the date indicated below.

ASSIGNOR:

OrthoGrid Systems Holdings, LLC



Date: 9/23/24