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17/405,790	08/18/2021	Tobias Anderberg	113748-0279UT01	4111
103865	7590	12/04/2024	EXAMINER	
Procopio - SPE 525 B Street Suite 2200 San Diego, CA 92101			GADOMSKI, STEFAN J	
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

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## **DETAILED ACTION**

### ***Notice of Pre-AIA or AIA Status***

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

### ***Continued Examination Under 37 CFR 1.114***

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 09/27/2024 has been entered.

### ***Response to Amendment***

3. The Amendment filed 09/27/2024 has been entered. No claims have been added. Claims 2, 3, and 12-14 have been cancelled. Claims 1, 9, and 18 have been amended. Claims 1, 4-11, and 15-20 remain pending in the application.

### ***Response to Arguments***

4. Applicant's arguments, see pages 6-10, filed 09/27/2024, with respect to the 103 rejections have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of a previously cited reference, specifically Rowell et al. US 2019/0158813 A1.

Examiner concurs the previously cited references fail to disclose or suggest the amended claim language. However, an updated search found that the Rowell reference discloses or suggest the amended claim language. Rowell discloses real time automatic calibration of multiple cameras. The combination of Islam, Liu, and Rowell discloses or suggest the claim language of independent claims 1, 9 and 18.

### ***Information Disclosure Statement***

5. The information disclosure statement (IDS) submitted on 11/02/2024 was considered by the examiner.

### ***Claim Rejections - 35 USC § 103***

6. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis (i.e., changing from AIA to pre-AIA) for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

7. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

8. The factual inquiries for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

9. **Claims 1, 4, 8-11, 15, and 18-20 rejected under 35 U.S.C. 103 as being unpatentable over Islam et al. US 2021/0012534 A1, hereafter Islam, in view of Liu et al. US 2019/0308326 A1, hereafter Liu, further in view of Rowell et al. US 2019/0158813 A1, hereafter Rowell.**

**Regarding claim 1**, Islam discloses a machine vision and control system to capture images using camera and to calibrate the cameras using the images (*method and system for performing automatic camera calibration for a scanning system*) [title], the machine vision and control system comprising:

a machine vision system including:

a plurality of imaging devices to capture or detect one of (1) calibration target or (2) feature within a scene or capture volume (*control circuit receives a first set of calibration images via the communication interface from the first camera, wherein the first set of calibration images capture the first set of faces of the polyhedron and capture the first set of 2D calibration patterns disposed respectively on the first set of faces 201; control circuit receives a second set of one or*

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