

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7413100

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GUANJING REN	06/30/2022
ZHI ZHOU	06/30/2022
RECEIVING PARTY DATA	
Name:	SMARTSENS TECHNOLOGY (HK) CO., LTD.
Street Address:	21 HUNG TO ROAD
Internal Address:	RM F, 10/F, INFO TECH CENTRE
City:	KWUN TONG, KOWLOON
State/Country:	HONG KONG
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17854883
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	8009490255
Email:	eric@karich.net
Correspondent Name:	ERIC KARICH
Address Line 1:	20 CRESTVIEW
Address Line 4:	ALISO VIEJO, CALIFORNIA 92656
ATTORNEY DOCKET NUMBER:	1065-37UA
NAME OF SUBMITTER:	ERIC KARICH
SIGNATURE:	/eric karich 41503/
DATE SIGNED:	07/01/2022
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4	
source=Signed_Assignment_Ren#page1.tif	
source=Signed_Assignment_Ren#page2.tif	
source=Signed_Assignment_Zhou#page1.tif	
source=Signed_Assignment_Zhou#page2.tif	

Assignment of Invention and Patent Application

For good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, **Guanjing Ren**, a citizen of China having a residence and post office address at Building 8, Shanghai Business Park IV, No. 889 Tianlin Road, Minhang District, Shanghai, China 200233 (hereinafter "Assignor"), hereby sells, assigns, transfers, and sets over unto **SmartSens Technology (HK) Co., Ltd.**, having a place of business at 21 Hung To Road, Rm F, 10/F, Info Tech Centre, Kwun Tong Kowloon, Hong Kong (hereinafter "Assignee"), one-hundred percent (100%) of Assignor's right, title and interest in and to the invention titled FOUR SHARED PIXEL WITH PHASE DETECTION AND HORIZONTAL AND VERTICAL BINNING READOUT MODES (hereinafter "Property") invented by Assignor. Co-inventors include Zhi Zhou. Patent filings for this invention have been made as follows (attorney is authorized to fill in numbers as they become available):

Application number 17/854,883, filed 06/30/2022 ;
Application number _____, filed _____ ;
Application number _____, filed _____ ;
Application number _____, filed _____ .

This assignment includes all U.S. patent rights, including reissues, continuations, continuations-in-part, substitutes, divisions, designs, and other related applications. Assignor authorizes and requests that the Commissioner of Patents and Trademarks issue any patent(s) 100% to Assignee, to the full end of the term for which said patent may be granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made. By this assignment, Assignor hereby warrants that to the best of his or her knowledge, he/she is the sole owner of the Property (subject to any rights of co-inventors described above), it is free of

encumbrances or licenses of any kind, the patent has not expired, and the patent is valid and fully enforceable to the best of Assignor's knowledge.

Assignor hereby further sells, assigns, transfers, and sets over unto Assignee Assignor's entire right, title and interest in and to said invention in each and every country foreign to the United States.

Assignor further convey to Assignee 100% of all priority rights resulting from the above-identified application for United States and foreign patents, and all rights to pursue past, present, and future infringement and collect all damages related thereto. Assignor agree to execute all papers, give any required testimony and perform other lawful acts, at Assignees expense, as Assignee may require to enable Assignee to perfect Assignee's interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and Assignee's interest therein.

In testimony whereof, Assignor hereby sets his/her hand and seal on the date below.

Assignor: Guanjing Ren Date: 06/30/2022

Print name: Guanjing Ren

Assignment of Invention and Patent Application

For good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, **Zhi Zhou**, a citizen of China having a residence and post office address at Building 8, Shanghai Business Park IV, No. 889 Tianlin Road, Minhang District, Shanghai, China 200233 (hereinafter "Assignor"), hereby sells, assigns, transfers, and sets over unto **SmartSens Technology (HK) Co., Ltd.**, having a place of business at 21 Hung To Road, Rm F, 10/F, Info Tech Centre, Kwun Tong Kowloon, Hong Kong (hereinafter "Assignee"), one-hundred percent (100%) of Assignor's right, title and interest in and to the invention titled **FOUR SHARED PIXEL WITH PHASE DETECTION AND HORIZONTAL AND VERTICAL BINNING READOUT MODES** (hereinafter "Property") invented by Assignor. Co-inventors include Guanjing Ren. Patent filings for this invention have been made as follows (attorney is authorized to fill in numbers as they become available):

Application number 17/854,883, filed 06/30/2022 ;
Application number _____, filed _____ ;
Application number _____, filed _____ ;
Application number _____, filed _____ .

This assignment includes all U.S. patent rights, including reissues, continuations, continuations-in-part, substitutes, divisions, designs, and other related applications. Assignor authorizes and requests that the Commissioner of Patents and Trademarks issue any patent(s) 100% to Assignee, to the full end of the term for which said patent may be granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made. By this assignment, Assignor hereby warrants that to the best of his or her knowledge, he/she is the sole owner of the Property (subject to any rights of co-inventors described above), it is free of

encumbrances or licenses of any kind, the patent has not expired, and the patent is valid and fully enforceable to the best of Assignor's knowledge.

Assignor hereby further sells, assigns, transfers, and sets over unto Assignee Assignor's entire right, title and interest in and to said invention in each and every country foreign to the United States.

Assignor further convey to Assignee 100% of all priority rights resulting from the above-identified application for United States and foreign patents, and all rights to pursue past, present, and future infringement and collect all damages related thereto. Assignor agree to execute all papers, give any required testimony and perform other lawful acts, at Assignees expense, as Assignee may require to enable Assignee to perfect Assignee's interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and Assignee's interest therein.

In testimony whereof, Assignor hereby sets his/her hand and seal on the date below.

Assignor: Zhi Zhou Date: 06/30/2022

Print name: Zhi Zhou