

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Shang-Lun Chan | 01/15/2020 |
| Chao-Hsun Yang | 01/15/2020 |
| Chun-Chang Wu | 01/15/2020 |
| Shih-Tse Chen | 01/15/2020 |
| RECEIVING PARTY DATA | |
| Name: | Realtek Semiconductor Corp. |
| Street Address: | 2 Innovation Rd. II, Science Park |
| City: | HsinChu |
| State/Country: | TAIWAN |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16744208 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | KATE YEH |
| SIGNATURE: | /KATE YEH/ |
| DATE SIGNED: | 01/16/2020 |
| Total Attachments: 8 | |
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COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention:

Motion Detection Method and Motion Detection System with Low Computational Complexity and High Detection Accuracy

As the below named inventor, I hereby declare that:
This declaration is directed to:

- The attached application, or
- United States application number _____ filed on _____, or
- PCT international application number _____ filed on _____

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In consideration of the payment by Realtek Semiconductor Corp. having a postal address of 2 Innovation Rd. II, Science Park, HsinChu 30076, Taiwan, R.O.C.

(referred to as "ASSIGNEE" below) to I of the sum of One Dollar (\$ 1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.

I hereby sell, assign and transfer to ASSIGNEE and the successors and assignees of the ASSIGNEE the entire right, title and interest in and to any and all improvements which are disclosed in the invention as above-identified application and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal

representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said legal equivalents thereof which may be necessary or desirable to carry out the proposes thereof. IN WITNESS WHEREOF, I have hereunto set hand and seal this on the date(s) indicated.

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use this form for each additional inventor.

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: **Shang-Lun Chan**

Date: **JAN 15 2020**

Signature: **Shang-Lun Chan**

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LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: **Chao-Hsun Yang**

Date: **JAN 15 2020**

Signature: Chao-Hsun Yang

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LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: **Chun-Chang Wu**

Date: **JAN 15 2020**

Signature: Chun Chang Wu

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LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: **Shih-Tse Chen**

Date: **JAN 15 2020**

Signature: **Shih-Tse Chen**