

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5665612

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                        |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                            |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                       |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                 |
| MANG OU-YANG                                                                                                                                                                                    | 08/02/2019                            |
| YUAN OUYANG                                                                                                                                                                                     | 07/29/2019                            |
| TZU MIN CHUANG                                                                                                                                                                                  | 08/05/2019                            |
| REN-LI YANG                                                                                                                                                                                     | 07/31/2019                            |
| YUNG-JHE YAN                                                                                                                                                                                    | 07/29/2019                            |
| HOU CHI CHIANG                                                                                                                                                                                  | 07/29/2019                            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                       |
| <b>Name:</b>                                                                                                                                                                                    | NATIONAL CHIAO TUNG UNIVERSITY        |
| <b>Street Address:</b>                                                                                                                                                                          | NO. 1001 TA HSUEH RD.                 |
| <b>City:</b>                                                                                                                                                                                    | HSINCHU CITY                          |
| <b>State/Country:</b>                                                                                                                                                                           | TAIWAN                                |
| <b>Postal Code:</b>                                                                                                                                                                             | 300                                   |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                       |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                         |
| Application Number:                                                                                                                                                                             | 16539002                              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (410)461-3067                         |
| <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> |                                       |
| <b>Phone:</b>                                                                                                                                                                                   | 410-465-6678                          |
| <b>Email:</b>                                                                                                                                                                                   | rkl@rkllpatlaw.com                    |
| <b>Correspondent Name:</b>                                                                                                                                                                      | ROSENBERG, KLEIN & LEE                |
| <b>Address Line 1:</b>                                                                                                                                                                          | 3458 ELLICOTT CENTER DRIVE, SUITE 101 |
| <b>Address Line 4:</b>                                                                                                                                                                          | ELLICOTT CITY, MARYLAND 21043         |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | MR1035-2706                           |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | MORTON J. ROSENBERG                   |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Morton J. Rosenberg/                 |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 08/13/2019                            |
| <b>Total Attachments: 8</b>                                                                                                                                                                     |                                       |

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# ASSIGNMENT DEED

Attorney docket No. MR1035-2706

This Assignment agreement is applicable to an invention entitled (invention Title): OPTICAL ENCODING  
DEVICE

The PATENT RIGHTS referred to in this agreement are:

(Check one)

- ☒ a Patent Application for this invention, executed by the ASSIGNOR(S) concurrently with this Assignment  
☒ U.S. Patent Application Serial No. 16/539,002, filed 8/13/2019  
☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

(Check One)

☒ U.S. Patent rights only

☐ worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

I/WE believe that I/WE am/are the original inventor(s) of a claimed invention in the application.

The above-identified Application was made or authorized by me/us.

I/WE hereby acknowledge that any will false statements made in this Assignment is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

The ASSIGNOR(S) referred to in this agreement is (or are):

(Full name of sole or first assignor) Mang Ou-Yang

(Address) No.82, Ln. 96, Nanzhong St., North Dist., Hsinchu City 300, Taiwan (R.O.C.)

(Full name of second joint assignor, if any) Yuan Ouyang

(Address) 9F., No.88, Dahe Rd., Bade Dist., Taoyuan City 334, Taiwan (R.O.C.)

(Full name of third joint assignor, if any) Tzu Min CHUANG

(Address) No.128, Sec. 5, Lingang Rd., Qingshui Dist., Taichung City 436, Taiwan (R.O.C.)

(Full name of fourth joint assignor, if any) REN-LI YANG

(Address) 6F., No.8, Ln. 894, Zhongzheng Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)

(Full name of fifth joint assignor, if any) Yung-Jhe YAN

(Address) 2F., No.5, Aly. 35, Ln. 118, Wuxing St., Xinyi Dist., Taipei City 110, Taiwan (R.O.C.)

(Full name of sixth joint assignor, if any) Hou Chi Chiang

(Address) Room 814, Engineering Building 5, No.1001 Ta Hsueh Rd., Hsinchu City 300, Taiwan, R.O.C.

☐ Additional assignors are being named on separately numbered sheets attached hereto.

The sole or first ASSIGNEE(S) referred to in this agreement is (or are):

(Name of Assignee) National Chiast Tung University  
(Address of Assignee) No.1001 Ta Hsueh Rd., Hsinchu City 300, Taiwan, R.O.C.

The sole or first ASSIGNEE is: (Check One)

- ☐ an individual  
☐ a partnership  
☒ a Corporation of TAIWAN, R.O.C. (State or Country)

The second ASSIGNEE(S) (if any) referred to in this agreement is (or are):

(Name of Assignee) \_\_\_\_\_  
(Address of Assignee) \_\_\_\_\_

The second ASSIGNEE is: (Check One)

- ☐ an individual  
☐ a partnership  
☐ a Corporation of \_\_\_\_\_ (State or Country)

The third ASSIGNEE(S) (if any) referred to in this agreement is (or are):

(Name of Assignee) \_\_\_\_\_  
(Address of Assignee) \_\_\_\_\_

☐ Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

I hereby give our Attorney authorization to insert the Serial Number and filing date of the above-referenced Patent Application when known.

Mey Ouyang  
(Signature of sole or first assignor) Mey Ouyang

2019.8.2  
(Date)

\_\_\_\_\_  
(Signature of second assignor, if any) Yuan Ouyang

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of third assignor, if any) Tzu Min CHUANG

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of fourth assignor, if any) REN-LI YANG

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of fifth assignor, if any) Yung-Jhe YAN

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of sixth assignor, if any) Hou Chi Chiang

\_\_\_\_\_  
(Date)

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\_\_\_\_\_  
(Signature of sole or first assignor) Mang Ou-Yang

\_\_\_\_\_  
(Date)

Yuan Ouyang  
\_\_\_\_\_  
(Signature of second assignor, if any) Yuan Ouyang

2019-7-29  
\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of third assignor, if any) Tzu Min CHUANG

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(Date)

\_\_\_\_\_  
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\_\_\_\_\_  
(Date)

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(Signature of sixth assignor, if any) Hou Chi Chiang

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(Date)

\_\_\_\_\_  
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\_\_\_\_\_  
(Date)

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\_\_\_\_\_  
(Signature of third assignor, if any) Tzu Min CHUANG

2019.8.5  
\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of fourth assignor, if any) REN-LI YANG

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of fifth assignor, if any) Yung-Jhe YAN

\_\_\_\_\_  
(Date)

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\_\_\_\_\_  
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(Date)

  
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(Date)

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\_\_\_\_\_  
(Date)

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\_\_\_\_\_  
(Signature of fourth assignor, if any) REN-LI YANG

\_\_\_\_\_  
(Date)

*Yung-Jhe YAN*

\_\_\_\_\_  
(Signature of fifth assignor, if any) Yung-Jhe YAN

\_\_\_\_\_  
(Date)

*20190729*

\_\_\_\_\_  
(Signature of sixth assignor, if any) Hou Chi Chiang

\_\_\_\_\_  
(Date)

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(Date)

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(Date)

(Signature of sixth assignor, if any) Hou Chi Chiang

(Date)