505842124 12/31/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5889060

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Chih-Wen Lu | 12/25/2019 |
| Chieh-An Lin | 12/25/2019 |
| Yen-Ru Kuo | 12/25/2019 |
| Jhih-Siou Cheng | 12/27/2019 |
| Ju-Lin Huang | 12/25/2019 |

RECEIVING PARTY DATA

| Name: | NOVATEK Microelectronics Corp. |
|-----------------|--|
| Street Address: | 2F, No. 13, Innovation Rd. I, Hsinchu Science Park |
| City: | Hsin-Chu |
| State/Country: | TAIWAN |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16731041 |

CORRESPONDENCE DATA

Fax Number: (703)997-4517

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.

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Email: Patent.admin.uspto.cr@naipo.com

Correspondent Name: WINSTON HSU

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Address Line 4: **NEW TAIPEI CITY, TAIWAN**

| ATTORNEY DOCKET NUMBER: | NVAP0627USA |
|-------------------------|-------------|
| NAME OF SUBMITTER: | KATE YEH |
| SIGNATURE: | /KATE YEH/ |
| DATE SIGNED: | 12/31/2019 |

Total Attachments: 10 source=3691379#page1.tif source=3691379#page2.tif source=3691379#page3.tif

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| ource=3691379#page10.tif | |

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: Current integrator for OLED panel As the below named inventor, I hereby declare that: This declaration is directed to: ☑ The attached application, or ☐ United States application number ☐ 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 under18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. In consideration of the payment by NOVATEK Microelectronics having a postal address of Corp. 2F, No. 13, Innovation Rd. I, Hsinchu Science Park, Hsin-Chu 300, 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, andfor 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 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.

Page

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.

1 of I

F#NPO-P0002E-US1201 DSB0-108U039253

NPO#NVA-P0627-USA:0 CUST#NVT-2019-089-US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Chih-Wen Lu

Date:

2019.12.25

Signature: With-Wen Luc

Page 2 of 10

NPO#NVA-P0627-USA:0 CUST#NVT-2019-089-US F#NPO-P0002E-US1201 DSB0-108U039253

Title of Invention:

NPO#NVA-P0627-USA:0

CUST#NVT-2019-089-US

Current integrator for OLED panel

Docket No NVAP0627USA

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> PATENT REEL: 051390 FRAME: 0378

F#NPO-P0002E-US1201

DSB0-108U039253

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Chieh-An Lin Date:

2019.12.25

Signature: Chileh-An Cin

Page 4 of 10

F#NPO-P0002E-US1201 DSB0-108U039253

NPO#NVA-P0627-USA:0 CUST#NVT-2019-089-US

Title of Invention:

NPO#NVA-P0627-USA:0

CUST#NVT-2019-089-US

COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Current integrator for OLED panel 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 under18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. In consideration of the payment by NOVATEK Microelectronics having a postal address of Corp. 2F, No. 13, Innovation Rd. I, Hsinchu Science Park, Hsin-Chu 300, 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, andfor 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 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. Page 5 of

PATENT REEL: 051390 FRAME: 0380

F#NPO-P0002E-US1201

DSB0-108U039253

| LEGAL NAME | OF | INVENTOR | (ASSIGNOR) |
|------------|----|----------|------------|
|------------|----|----------|------------|

Inventor: Yen-Ru Kuo

Date: >0|9, 12,25

Signature: Yen-Ru Kuo

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NPO#NVA-P0627-USA:0 CUST#NVT-2019-089-US

F#NPO-P0002E-US1201 DSB0-108U039253

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: **Current integrator for OLED panel**

NPO#NVA-P0627-USA:0

CUST#NVT-2019-089-US

| As the below named inventor, I here This declaration is directed to: | by declare that: | | | |
|---|--|---|--|---|
| ☑ The attached application, or | | | | |
| ☐ United States application nu | mber | | filed on | , or |
| ☐ PCT international application | number | | filed on | |
| The above-identified application was | made or author | ized to be ma | de by me. | |
| I believe that I am the original invent application. | or or an original | joint inventor (| of a claimed invention | in the |
| I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr | I false statement isonment of not | t made in this more than five | declaration is punishat (5) years, or both. | ole |
| In consideration of the payment by | NOVATEK M Corp. | icroelectro | nics having a p | oostal address of |
| 2F, No. 13, Innovation Rd. I, H | sinchu Scien | ce Park, Hs | in-Chu 300, Taiwa | n, R.O.C. |
| (referred to as "ASSIGNEE"below) to acknowledged, and for other good ar I hereby sell, assign and transfer to A the entire right, title and interest in an invention as above-identified application or substitutes, or extensions thereof, ar I hereby covenant that no assignment entered into which would conflict with I further covenant that ASSIGNEE wand documents relating to said inventions. | ASSIGNEE and It and to any and all tion and, in and rany continuation at a to Letters Fat, sale, agreement this assignmentill, upon its requestion and said Letters It | the successore improvements to, all Letters in s, continuation attent any reisent or encumber; est, be provided there Patent and and the set, be provided the set, but the | s and assignees of the swhich are disclosed in the patent to be obtained for in-part, divisions, resue or re-examination rance has been or will all per and legal equivalents as | ASSIGNEE in the for said newals, thereof. be made or tinent facts |
| known and accessible to I and will te related thereto and will promptly exe | stify as to the sa cute and deliver | me in any inte to ASSIGNEE | rference, litigation prod or its legal | ceeding |
| representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her | lication, said inv cessarv or desin | ention and sai able to carry o | d Letters Patent and s | of. |
| Note: An application data sheet (PTC inventive entity, must accompany this |)/SB/14 or equiv s form. Use this t | alent), includir form for <u>each :</u> | ig naming the entire additional inventor. | |
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PATENT REEL: 051390 FRAME: 0382

F#NPO-P0002E-US1201

DSB0-108U039253

SVT01186 2019/13/27 16:48:41

Docket No NVAP0627USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Jhih-Siou Cheng

Date:

1019 12 2

Signature:

Page 8 of 10

F#NPO-P0002E-US1201 DSB0-108U039253

CUST#NVT-2019-089-US

NPO#NVA-P0627-USA:0

Title of Invention:

COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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NPO#NVA-P0627-USA:0 CUST#NVT-2019-089-US Page 9 of 10

F#NPO-P0002E-US1201 DSB0-108U039253

| LEGAL NAI | ME OF INVENTOR(ASSIG | inor) | | | | |
|------------|----------------------|-------|-------|-------|---------|--|
| Inventor: | Ju-Lin Huang | | Date: | 2019. | 12. 25. | |
| Signature: | Julin | Huang | _ | | | |

NPO#NVA-P0627-USA:0 CUST#NVT-2019-089-US

RECORDED: 12/31/2019

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F#NPO-P0002E-US1201 DSB0-108U039253