

| <b>DISCLAIMER IN A PATENT UNDER 37 CFR 1.321(a)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Name of Patentee<br>Yangtze Memory Technologies Co., Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Docket Number (optional)<br>10018-01-0015-US-DIV2 |
| Patent Number<br><b>11,581,322</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Date Patent Issued<br><b>Feb. 14, 2023</b>        |
| Title of Invention<br>Three-dimensional memory devices having through array contacts and methods for forming the same                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                   |
| <p>Patentee hereby disclaims:</p> <p><input checked="" type="checkbox"/> the following complete claim(s) in the above-identified patent: <u>Claims 1, 2, 4, 5, and 7</u>.</p> <p><input type="checkbox"/> the terminal part of the term of the above-identified patent beginning on the date: _____.</p> <p><input type="checkbox"/> the entire term of the above-identified patent.</p> <p>The disclaimer is binding on the patentee and its successors or assigns.</p> <p>The extent of patentee's ownership interest in the above-identified patent is: <u>100%</u>.</p> <p>The fee for this disclaimer is set forth in 37 CFR 1.20(d) and is being paid in the following manner:</p> <p><input checked="" type="checkbox"/> payment by the USPTO patent electronic filing system.</p> <p><input type="checkbox"/> the Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. <u>60-2227</u>.</p> <p><input type="checkbox"/> payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> a check in the amount of the fee is enclosed.</p> <p><b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on form PTO-2038.</p> <p>The undersigned is:</p> <p><input type="checkbox"/> patentee. If patentee is a juristic entity, the undersigned is authorized to act on behalf of the juristic entity.</p> <p><input checked="" type="checkbox"/> attorney or agent of record.</p> |                                                   |
| Signature<br><b>/Zhiwei Zou/</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Date<br><b>4/28/2025</b>                          |
| Name (printed/typed)<br><b>Zhiwei Zou</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Practitioner registration number<br><b>66,041</b> |
| <b><u>Note:</u></b> See 37 CFR 1.4(d) for signature requirements and certifications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                   |

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## ELECTRONIC ACKNOWLEDGEMENT RECEIPT

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|-------------------|------------------------------------|------------------------------|
| APPLICATION #     | RECEIPT DATE / TIME                | ATTORNEY DOCKET #            |
| <b>17/100,847</b> | <b>04/28/2025 01:17:30 PM Z ET</b> | <b>10018-01-0015-US-DIV2</b> |

### Title of Invention

THREE-DIMENSIONAL MEMORY DEVICES HAVING THROUGH ARRAY CONTACTS AND METHODS FOR FORMING THE SAME

### Application Information

|                        |                                                          |                      |               |
|------------------------|----------------------------------------------------------|----------------------|---------------|
| APPLICATION TYPE       | Utility - Nonprovisional Application under 35 USC 111(a) | PATENT #             | 11581322      |
| CONFIRMATION #         | 1008                                                     | FILED BY             | Anna O'Connor |
| PATENT CENTER #        | 70188412                                                 | FILING DATE          | 11/21/2020    |
| CUSTOMER #             | 153988                                                   | FIRST NAMED INVENTOR | Mei Lan Guo   |
| CORRESPONDENCE ADDRESS | -                                                        | AUTHORIZED BY        | Zhiwei Zou    |

### Documents

**TOTAL DOCUMENTS: 1**

| DOCUMENT                  | PAGES | DESCRIPTION                                                                | SIZE (KB) |
|---------------------------|-------|----------------------------------------------------------------------------|-----------|
| US11581322 Disclaimer.pdf | 2     | Statutory disclaimers per Manual of Patent Examining Procedure(MPEP) 1490. | 296 KB    |

### Digest

| DOCUMENT                  | MESSAGE DIGEST(SHA-512)                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| US11581322 Disclaimer.pdf | C0AE3CEE3E4138900515FBC89F08C480B89E687C08F327E54<br>50592AFFF77FE4D5FD7D78298326B41E176A98960C6BBF31F<br>D2D322982C432E2628542107F9F917 |

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described in MPEP 503.

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If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

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**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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| CORRESPONDENCE ADDRESS | -                                                        | FIRST NAMED INVENTOR | Mei Lan Guo   |

### Payment Information

|                |                        |                       |
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| PAYMENT METHOD | PAYMENT TRANSACTION ID | PAYMENT AUTHORIZED BY |
| CARD / 1001    | E20254RD19068053       | Anna O'Connor         |

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