

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7156090

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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>                 |
| XIANG YANG  | 01/20/2022                            |
| <b>RECEIVING PARTY DATA</b>   |                                       |
| <b>Name:</b>  | SANDISK TECHNOLOGIES LLC              |
| <b>Street Address:</b>  | 5080 SPECTRUM DRIVE                   |
| <b>Internal Address:</b>  | SUITE 1050W                           |
| <b>City:</b>  | ADDISON                               |
| <b>State/Country:</b>   | TEXAS                                 |
| <b>Postal Code:</b>   | 75001                                 |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                       |
| <b>Property Type</b>  | <b>Number</b>                         |
| <b>Application Number:</b>  | 17487665                              |
| <b>CORRESPONDENCE DATA</b>  |                                       |
| <b>Fax Number:</b>  | (844)670-6009                         |
| <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>   | 2484337200                            |
| <b>Email:</b>   | rmullen@dickinsonwright.com           |
| <b>Correspondent Name:</b>  | DICKINSON WRIGHT PLLC/WESTERN DIGITAL |
| <b>Address Line 1:</b>  | 2600 W. BIG BEAVER RD.                |
| <b>Address Line 4:</b>  | TROY, MICHIGAN 48084                  |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 81890-00410                           |
| <b>NAME OF SUBMITTER:</b>   | STEVEN C. HURLES                      |
| <b>SIGNATURE:</b>   | /Steven C. Hurles/                    |
| <b>DATE SIGNED:</b>   | 02/02/2022                            |
| <b>Total Attachments: 2</b>   |                                       |
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| source=81890-410_Assignment#page2.tif   |                                       |

**ASSIGNMENT**

THIS ASSIGNMENT, by Xiang Yang, with a mailing address of: c/o SanDisk Technologies LLC, 5080 Spectrum Drive, Suite 1050W, Addison, Texas 75001, and (hereinafter referred to as "the Assignors"), respectively witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in

**PROACTIVE REFRESH OF EDGE DATA WORD LINE FOR  
SEMI-CIRCLE DRAIN SIDE SELECT GATE**

set forth in an application for Letters Patent of the United States, which is a

- (1.) ☒ Non-provisional application
- (a) ☒ bearing Application No. 17/487,665 and filed on September 28, 2021 ;
- (b) ☐ having an oath or declaration executed on even date herewith prior to filing of application
- (c) ☐ having an oath or declaration executed on a different date than this Assignment;
- and

WHEREAS, **SanDisk Technologies LLC**, a corporation duly organized under and pursuant to the laws of the United States and having a principal place of business at 5080 Spectrum Drive, Suite 1050W, Addison, Texas 75001, (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said Inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon, as well as any rights to sue for past infringement,

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assigns, transfers, and sets over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and Interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assign, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assign, shall advise that

any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference, ex parte reexamination, post grant opposition (if applicable), and inter partes review proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Dickinson Wright PLLC to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said invention, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

DATE: 1/20/2022

DocuSigned by:

*Xiang Yang*  
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**Xiang Yang**