

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ZVONIMIR Z. BANDIC | 12/19/2016 |
| KIRAN KUMAR GUNNAM | 12/16/2016 |
| MINGHAI QIN | 12/19/2016 |
| RECEIVING PARTY DATA | |
| Name: | WESTERN DIGITAL TECHNOLOGIES, INC. |
| Street Address: | 3355 MICHELSON DRIVE |
| Internal Address: | SUITE 100 |
| City: | IRVINE |
| State/Country: | CALIFORNIA |
| Postal Code: | 92612 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15388623 |
| CORRESPONDENCE DATA | |
| Fax Number: | (713)623-4846 |
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| Phone: | 713-623-4844 |
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| ATTORNEY DOCKET NUMBER: | H20161124US1 |
| NAME OF SUBMITTER: | STEVEN H VERSTEEG |
| SIGNATURE: | /Steven H. VerSteeg; Reg. No. 58,087/ |
| DATE SIGNED: | 12/28/2016 |
| Total Attachments: 2 | |
| source=H20161124US1_Assignment#page1.tif | |

ASSIGNMENT FOR PATENT APPLICATION


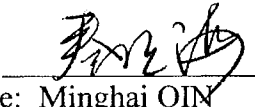
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

NON-BINARY ECCS FOR LOW LATENCY READ, FRACTIONAL BITS PER CELL OF NAND FLASH

Whereas, **Western Digital Technologies, Inc.**, having a place of business at, 3355 Michelson Drive, Suite 100, Irvine, California 92612, (hereinafter referred to as "WDT"), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to WDT, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to WDT, its successors and assigns; and we hereby agree that WDT may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by WDT.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature: 
Typed Name: Zvonimir Z. BANDIC Date: 12/19/2016
- 2) Signature: _____
Typed Name: Kiran Kumar GUNNAM Date: _____
- 3) Signature: 
Typed Name: Minghai QIN Date: 12/19/2016

ASSIGNMENT FOR PATENT APPLICATION

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Signed on the date(s) indicated beside my (our) signature(s).

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|----|--|-------------------------|
| 1) | Signature: _____ Typed Name: Zvonimir Z. BANDIC | Date: _____ |
| 2) | Signature: <u>G. Kiran Kumar</u> Typed Name: Kiran Kumar GUNNAM | Date: <u>12/16/2016</u> |
| 3) | Signature: _____ Typed Name: Minghai QIN | Date: _____ |