

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7119762

|   |  |                       |
|---|--|-----------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                           |                       |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                               |                       |
| <b>CONVEYING PARTY DATA</b>   |  |                       |
|   | <b>Name</b>                              | <b>Execution Date</b> |
|   | OCZ ISRAEL LIMITED                       | 03/14/2019            |
| <b>RECEIVING PARTY DATA</b>   |  |                       |
| <b>Name:</b>  | TOSHIBA MEMORY AMERICA, INC.             |                       |
| <b>Street Address:</b>  | 5231 CALIFORNIA AVENUE                   |                       |
| <b>City:</b>  | IRVINE                                   |                       |
| <b>State/Country:</b>   | CALIFORNIA                               |                       |
| <b>Postal Code:</b>   | 92617                                    |                       |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |                       |
|   | <b>Property Type</b>                     | <b>Number</b>         |
|   | Application Number:                      | 16355555              |
| <b>CORRESPONDENCE DATA</b>  |  |                       |
| <b>Fax Number:</b>  | (202)672-5399                            |                       |
| <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>   | 2026725300                               |                       |
| <b>Email:</b>   | IPDocketing@foley.com, moneill@foley.com |                       |
| <b>Correspondent Name:</b>  | FOLEY & LARDNER LLP                      |                       |
| <b>Address Line 1:</b>  | 3000 K STREET, N.W., SUITE 600           |                       |
| <b>Address Line 4:</b>  | WASHINGTON, D.C. 20007-5109              |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 117441-0125                              |                       |
| <b>NAME OF SUBMITTER:</b>   | MARK J. DANIELSON                        |                       |
| <b>SIGNATURE:</b>   | /Mark J. Danielson/                      |                       |
| <b>DATE SIGNED:</b>   | 01/13/2022                               |                       |
| <b>Total Attachments: 4</b>   |  |                       |
| source=117441-0125_Assignment_2_OCZ Israel to TMA#page1.tif   |  |                       |
| source=117441-0125_Assignment_2_OCZ Israel to TMA#page2.tif   |  |                       |
| source=117441-0125_Assignment_2_OCZ Israel to TMA#page3.tif   |  |                       |
| source=117441-0125_Assignment_2_OCZ Israel to TMA#page4.tif   |  |                       |

## ASSIGNMENT

**WHEREAS**, the undersigned inventor(s) desires to transfer all right, title and interest in and to the inventions disclosed in the following Invention Disclosure Form(s):

- "Efficient Decoding Schemes of Error Correcting Codes for NAND Flash Memories" submitted on August 10, 2018, by Avi Steiner, Hanan Weingarten, Meir Nadam-Olegnowicz, Ofir Kanter and Amir Nassie (collectively, the "INVENTORS");

And such inventions which if now or hereafter are disclosed in the patent application(s):

(a) ☒ U.S. patent application executed on herewith and entitled "DECODING SCHEME FOR ERROR CORRECTION CODE STRUCTURE,"

(b) ☒ U.S. application no. 16/355555 filed on 03-15-2019,

(c) ☐ International (e.g., PCT, JP) application no. \_\_\_\_\_ filed on \_\_\_\_\_,

(collectively, the "INVENTIONS");

**WHEREAS**, OCZ Israel Limited ("OCZ ISRAEL"), an Israel corporation with its principal place of business at 24 Raul Wallenberg Street, Tel Aviv, 69719, Israel, desires to acquire all of the right, title and interest of Avi Steiner, Hanan Weingarten, Meir Nadam-Olegnowicz, Ofir Kanter and Amir Nassie (hereinafter referred to as "OCZ ISRAEL INVENTOR(S)") in, to and under the INVENTIONS and OCZ ISRAEL further desires to transfer all such right, title and interest to Toshiba Memory America, Inc., (hereinafter referred to as "TMA") organized and existing under the laws of the United States, having a place for the transaction of business at 5231 California Avenue, Irvine, CA 92617.

**WHEREAS**, TMA desires to acquire all of the right, title and interest of OCZ ISRAEL and INVENTOR(S) in, to and under the INVENTIONS and TMA further desires to transfer all such right, title and interest to Toshiba Memory Corporation (hereinafter referred to as "TMC") a corporation duly organized and existing under the laws of Japan, with offices at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, OCZ Israel INVENTORS hereby sell(s), assign(s) and transfer(s) to OCZ Israel the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, in and to the INVENTIONS and any and all improvements thereon which are the subject of the INVENTIONS, and in and to any U.S. or foreign patent application for such INVENTIONS and improvements and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to any division, continuation or continuation-in-part, renewal or substitute thereof, and in and to all resulting Letters Patents or any reissue, reexamination certificate, supplemental examination certificate, post grant review certificate, inter partes review certificate, or otherwise, thereof, to have and to hold the same to the full end of the term or terms for which any and all of said Letters Patent may be granted (collectively, the "ASSIGNED INVENTIONS");

**THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, OCZ Israel hereby sells, assigns and transfers to TMA the entire right, title and interest to the ASSIGNED INVENTIONS;

OCZ ISRAEL INVENTOR(S) and OCZ ISRAEL hereby covenant that OCZ ISRAEL INVENTOR(S) and OCZ ISRAEL, respectively, has/have the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Without further payment or compensation by OCZ ISRAEL or their successors and assigns, OCZ ISRAEL INVENTOR(S), respectively, further covenant(s) and agree(s) to communicate to OCZ ISRAEL, their representatives, agents, their successors or their assigns, or to subsequent assignees of the ASSIGNED INVENTIONS, any facts relating to the ASSIGNED INVENTIONS including evidence for purposes of interference or derivation proceedings or other administrative or legal proceedings whenever requested; to testify in any interference derivation, legal or administrative proceedings whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid OCZ ISRAEL, their successors, assigns, nominees, or to subsequent assignees of the ASSIGNED INVENTIONS to secure, obtain and enforce proper patent protection for the ASSIGNED INVENTIONS in this or any foreign country.

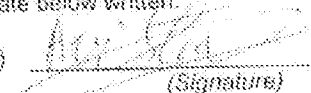
And for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, TMA hereby sells, assigns and transfers to TMC the entire right, title and interest to the ASSIGNED INVENTIONS:

INVENTOR(S), OCZ ISRAEL and TMA authorize and request the issuing authority to issue any and all patents on said application or applications to TMC or its successors and assigns.

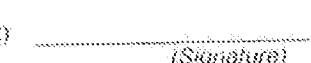
TMA hereby covenants that it has the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Any attorney of record for TMC, and its successors and assigns, at the direction of TMC is authorized and requested by the execution of this assignment to insert into this assignment any further patent or patent application information in the blanks and check boxes above as necessary for recordation of this document.

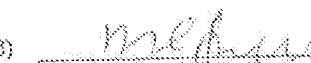
IN WITNESS WHEREOF, the INVENTOR(S) has/have hereunto affixed his/her/their signatures on the date below written.

1)  Avi Steiner 13.2.19  
(Signature) (Type or Print Name) (Date)

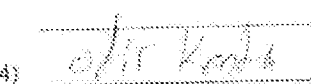
4 Habrosh St., Kiriat Motzkin, Israel  
(Residence Address)

2)  Hanan Weingarten   
(Signature) (Type or Print Name) (Date)

13 Harnesia St., Herzliya, Israel  
(Residence Address)

3)  Meir Nadam-Olegriowicz 13.02.2019  
(Signature) (Type or Print Name) (Date)

46 HaYain Street, Binyamina, Israel  
(Residence Address)

4)  Orit Kanter 13/2/19  
(Signature) (Type or Print Name) (Date)

5A Shimkin Street, Haifa, Israel  
(Residence Address)

Without further payment or compensation by OCZ ISRAEL or their successors and assigns, OCZ ISRAEL INVENTOR(S), respectively, further covenant(s) and agree(s) to communicate to OCZ ISRAEL, their representatives, agents, their successors or their assigns, or to subsequent assignees of the ASSIGNED INVENTIONS, any facts relating to the ASSIGNED INVENTIONS including evidence for purposes of interference or derivation proceedings or other administrative or legal proceedings whenever requested; to testify in any interference derivation, legal or administrative proceedings whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid OCZ ISRAEL, their successors, assigns, nominees, or to subsequent assignees of the ASSIGNED INVENTIONS to secure, obtain and enforce proper patent protection for the ASSIGNED INVENTIONS in this or any foreign country.

And for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, TMA hereby sells, assigns and transfers to TMC the entire right, title and interest to the ASSIGNED INVENTIONS;

INVENTOR(S), OCZ ISRAEL and TMA authorize and request the issuing authority to issue any and all patents on said application or applications to TMC or its successors and assigns;

TMA hereby covenants that it has the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Any attorney of record for TMC, and its successors and assigns, at the direction of TMC is authorized and requested by the execution of this assignment to insert into this assignment any further patent or patent application information in the blanks and check boxes above as necessary for recordation of this document.

**IN WITNESS WHEREOF**, the **INVENTOR(S)** has/have hereunto affixed his/her/their signatures on the date below written.

1) \_\_\_\_\_  
(Signature)                      Avi Steiner                      \_\_\_\_\_  
(Type or Print Name)                      (Date)

\_\_\_\_\_ 4 Habrosh St., Kiriath Motzkin, Israel \_\_\_\_\_  
(Residence Address)

2) Hanan Weingarten                      Hanan Weingarten                      March 13, 2019  
(Signature)                      (Type or Print Name)                      (Date)

\_\_\_\_\_ 13 Hamesila St., Herzliya, Israel \_\_\_\_\_  
(Residence Address)

3) \_\_\_\_\_  
(Signature)                      Meir Nadam-Olegnowicz                      \_\_\_\_\_  
(Type or Print Name)                      (Date)

\_\_\_\_\_ 46 HaYain Street, Binyamina, Israel \_\_\_\_\_  
(Residence Address)

4) \_\_\_\_\_  
(Signature)                      Ofir Kanter                      \_\_\_\_\_  
(Type or Print Name)                      (Date)

\_\_\_\_\_ 5A Shimkin Street, Haifa, Israel \_\_\_\_\_  
(Residence Address)

5)

(Signature)

Amir Nassie  
(Type or Print Name)

133/4  
(Date)

5 Ben-Arzi Street, Haifa, Israel  
(Residence Address)

IN WITNESS WHEREOF, a representative of OCZ ISRAEL with authorization to make this assignment  
has hereunto affixed his/her signature on the date below written.

(Signature)

Oded Han, President  
(Type or Print Name)

March 14, 2019  
(Date)

4837-0863-0180.1