## 504964019 06/18/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5010765

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOSHIBA AMERICA ELECTRONIC COMPONENTS, INC.	05/30/2018

### **RECEIVING PARTY DATA**

Name:	TOSHIBA MEMORY CORPORATION	
Street Address:	1-1, SHIBAURA 1-CHOME	
City:	MINATO-KU, TOKYO	
State/Country:	JAPAN	
Postal Code:	105-0023	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15702135

### **CORRESPONDENCE DATA**

#### Fax Number:

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.

**Phone:** 202-626-3600

**Email:** toshibapatents@whitecase.com

Correspondent Name: WHITE & CASE LLP
Address Line 1: 701 13TH STREET NW
Address Line 4: WASHINGTON, D.C. 20005

<b>ATTORNEY DOCKET NUMBER:</b> 1283810-0165-026	
NAME OF SUBMITTER:	DAVID M. TENNANT
SIGNATURE:	/David M. Tennant/
DATE SIGNED:	06/18/2018

## **Total Attachments: 2**

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PATENT 504964019 REEL: 046116 FRAME: 0419

#### **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):

 SPLIT PAGE QUEUE BUFFER MANAGEMENT FOR SOLID STATE STORAGE DRIVES submitted on July 28, 2017 by Philip Rose (collectively, the "INVENTOR(S)"):

And such inven	itions which if now or hereafter are disci	osed in the pat	ent application(s):
(a) 🔲	U.S. patent application executed on		
(b) 🖾	U.S. application no. 15/702,135	filed on	September_12, 2017
(c) 🗆	International (e.g., PCT, JP) application	n no	filed on
(collectively	y, the "INVENTIONS");		
business at 25t all of the right, to to, and under the	Z Storage Solutions Limited ("OCZ UK") b-c Western Avenue, Milton Park, Abing title, and interest of <b>Philip Rose</b> (herein the INVENTIONS and OCZ UK further d ca Electronic Components, inc. ("TAEC	don, OXON, O after referred to esires to transfo	X14 4SH, U.K., desires to acquire on as "OCZ UK INVENTOR(S)") in, er all such right, title, and interest to

United States, having a place for the transaction of business at 9740 Irvine Boulevard, Sulte D700, Irvine, CA 92618, USA.

WHEREAS, TAEC desires to acquire all of the right, title, and interest of OCZ UK and INVENTOR(S) in, to, and under the INVENTIONS and TAEC 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

Now, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

under the laws of Japan, with offices at 1-1, Shibaura 1-chome, Minato-ku, Tokyo;

- (1) OCZ UK INVENTOR(S) hereby sell(s), assign(s), and transfer(s) to TAEC 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");
- (2) OCZ UK hereby sell(s), assign(s), and transfer(s) to TAEC the entire right, title, and interest to the ASSIGNED INVENTIONS.
- (3) TAEC hereby sells, assigns, and transfers to TMC the entire right, title, and interest to the ASSIGNED INVENTIONS.

Without further payment or compensation by OCZ UK, TAEC, TMC or their successors and assigns, INVENTOR(S) further covenant(s) and agree(s) to communicate OCZ UK, TAEC, TMC, 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 UK, TAEC, TMC, 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.

OCZ UK, TAEC, and INVENTOR(S) each covenant that they have the full power to make their respective assignments, and that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with these assignments.

OCZ UK, TAEC, and INVENTOR(S) further authorize and request the issuing authority to issue any and all patents on said application or applications to TOSHIBA or its successors and assigns.

Any attorney of record for TMC, and its successors and assigns, at the direction of TMC, is authorized and requested by the execution of these assignments to insert into these assignments 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

Anaging General Liligation (Date)

Anaging General Liligation (Date)

Philip Rose
(Signature) (Type or Print Name) (Date)

Old Butchers Shop, North St, Islip, OXON OX5 2SQ, UK.

(Residence Address)

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

(Signature) James Tout, GM UK (Date)

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

PATENT REEL: 046116 FRAME: 0421

**RECORDED: 06/18/2018**