

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7527000

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PHILIP DAVID ROSE	04/29/2022
RECEIVING PARTY DATA		
Name:	KIOXIA TECHNOLOGY UK LIMITED	
Street Address:	25B-C WESTERN AVENUE, MILTON PARK, ABINGDON	
City:	OXON	
State/Country:	UNITED KINGDOM	
Postal Code:	OX14 4SH	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17481182
CORRESPONDENCE DATA		
Fax Number:	(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>		
Phone:	2026725300	
Email:	ipdocketing@foley.com	
Correspondent Name:	FOLEY & LARDNER LLP	
Address Line 1:	3000 K STREET, N.W.	
Address Line 2:	SUITE 600	
Address Line 4:	WASHINGTON, D.C. 20007	
ATTORNEY DOCKET NUMBER:	117441-0221	
NAME OF SUBMITTER:	MIJY O'NEILL	
SIGNATURE:	/Mijy O'Neill/	
DATE SIGNED:	09/08/2022	
Total Attachments: 4		
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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):

- VIRTUAL UARTS FOR IN SITU DEBUG submitted on March 3, 2021, by Philip David Rose (collectively, the "INVENTOR");

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

(a) ☐ U.S. patent application executed on _____ and entitled, "SYSTEM AND METHOD FOR IN SITU DEBUG",

(b) ☒ U.S. application no. 17/481,182 filed on 09-21-2021,

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

(collectively, the "INVENTIONS");

WHEREAS, Kioxia Technology UK Limited ("KT UK"), a UK corporation with its principal place of business at 25b-c Western Avenue, Milton Park, Abingdon, OXON, OX14 4SH, U.K., desires to acquire all of the right, title and interest of Philip David Rose (hereinafter referred to as "KT UK INVENTOR(S)") in, to and under the INVENTIONS and KT UK further desires to transfer all such right, title and interest to Kioxia America, Inc., (hereinafter referred to as "KAI") 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, KAI desires to acquire all of the right, title and interest of KT UK INVENTOR(S) in, to and under the INVENTIONS and KAI further desires to transfer all such right, title and interest to KIOXIA Corporation (hereinafter referred to as "KC") 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, KT UK INVENTOR(S) hereby sell(s), assign(s) and transfer(s) to KT UK, 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, KT UK, hereby sells, assigns and transfers to KAI the entire right, title and interest to the ASSIGNED INVENTIONS;

KT UK INVENTOR(S), KT UK, hereby covenant that KT UK INVENTOR(S), KT UK, 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 KT UK, or their successors and assigns, KT UK INVENTOR(S), respectively, further covenant(s) and agree(s) to communicate to KT UK, 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 KT UK, 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, KAI hereby sells, assigns and transfers to KC the entire right, title and interest to the ASSIGNED INVENTIONS;

INVENTOR(S), KT UK authorize and request the issuing authority to issue any and all patents on said application or applications to KC or its successors and assigns;

KAI 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 KC, and its successors and assigns, at the direction of KC 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) P.D. Rose Philip David Rose 29TH APRIL 2022
(Signature) (Type or Print Name) (Date)
OLD BUTCHERS SHOP, NORTH ST, ISLIP, OXON OX5 2SQ UK
(Residence Address)

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

James Tout, GM UK
(Signature) (Name and Title) (Date)

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

Rick Lin, IP Attorney
(Signature) (Name and Title) (Date)

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

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INVENTOR(S), KT UK authorize and request the issuing authority to issue any and all patents on said application or applications to KC or its successors and assigns;

KAI 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

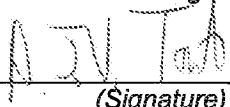
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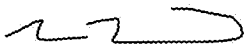
1) _____ Philip David Rose _____
(Signature) (Type or Print Name) (Date)

(Residence Address)

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

 _____ James Tout, GM UK _____ 27th April 2022
(Signature) (Name and Title) (Date)

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

 _____ Rick Lin, IP Attorney _____ 8/4/2022
(Signature) (Name and Title) (Date)