

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YINGBO ZHU	05/05/2022
RECEIVING PARTY DATA		
Name:	MORSE MICRO PTY. LTD.	
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City:	SURREY HILLS	
State/Country:	AUSTRALIA	
Postal Code:	2010	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	17678319	
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<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>		
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NAME OF SUBMITTER:	CY BATES	
SIGNATURE:	/CY BATES/	
DATE SIGNED:	05/06/2022	
Total Attachments: 4		
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ASSIGNMENT

WHEREAS each undersigned inventor (hereinafter referred to single and collectively as "ASSIGNOR"), for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, has sold assigned and transferred, and by these presents hereby sells, assigns and transfers the subject matter described in patents and/or patent applications referred to in Schedule I ("the Patent Portfolio"), which is attached hereto;

AND, WHEREAS, Morse Micro PTY. LTD., a corporation formed under the laws of the state of Australia having a place of business at Level 8, 10-14 Waterloo Street, Surry Hills, 2010, NSW, Australia (hereinafter "ASSIGNEE"), is desirous of acquiring certain and all rights to the Patent Portfolio;

NOW, THEREFORE, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, his entire right, title and interest, including the right to sue for and recover damages for infringement prior to this Assignment, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to the Patent Portfolio, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on the Patent Portfolio or any parts thereof, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the Patent Portfolio or any parts thereof;

AND ASSIGNOR hereby agrees for himself and his heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of the Patent Portfolio or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to the Patent Portfolio or any parts thereof;

AND ASSIGNOR hereby covenants for himself and his legal representatives, and agrees with said ASSIGNEE, his successors and assigns, that ASSIGNOR has granted no right or license to make, use, sell or offer to sell the Patent Portfolio or any parts thereof, to anyone except said ASSIGNEE, that prior to the execution of this deed, his right, title and interest in the Patent Portfolio had not been otherwise encumbered, and that he has not and will not execute any instrument in conflict therewith;

AND ASSIGNOR does hereby authorize and request the United States Patent and Trademark Office, or any other authority of any other country, to issue any and all letters patent which may be granted upon the Patent Portfolio, or any parts thereof when granted, to said ASSIGNEE;

AND ASSIGNOR hereby agrees (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including

evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto;

AND ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

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IN WITNESS WHEREOF, ASSIGNOR has hereunto set his hands and seals.

<u>5/05/2022</u> Date	<u>Yingbo Zhu</u> Yingbo Zhu
NOTARY ACKNOWLEDGMENT	
State of California County of _____	
On _____ before me, _____ (insert name and title of the officer)	
personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her/their authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.	
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.	
WITNESS my hand and official seal.	
Signature _____ (Seal)	

Schedule I

- 1) US Non-Provisional Application Serial No. 17/678,319, filed February 23, 2022, titled:
"A DIGITAL PHASE-LOCKED LOOP WITH FAST OUTPUT FREQUENCY
DIGITAL
CONTROL".