#### 507552430 10/19/2022

# PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
AKIHIRO HARADA	09/16/2022
TOMOHIRO NAKATA	09/16/2022
TSUNEYUKI OKABE	10/11/2022
YUYA SHINDO	10/11/2022

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

Property Type	Number
Application Number:	17797862

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NAME OF SUBMITTER:	JONATHAN R. MILLER	
SIGNATURE:	/Jonathan R. Miller/	
DATE SIGNED:	10/19/2022	

#### **Total Attachments: 6**

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P66734 Page 1

### COMBINED INVENTOR'S DECLARATION AND ASSIGNMENT

### DECLARATION

The herein-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

# Authorization to Permit Access to Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Korean Intellectual Property Office (KIPO), the China National Intellectual Property Administration (CNIPA), the World Intellectual Property Office (WIPO), the Japanese Patent Office (JPO), and any other intellectual property offices in which a foreign application claiming priority to the herein-identified patent application is filed access to the herein-identified patent applicant does not wish the EPO, KIPO, CNIPA, WIPO, JPO, or other intellectual property office in which a foreign application claiming priority to the herein-identified patent application is filed to have access to the herein-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the berein-identified patent application with respect to: 1) the herein-identified patent application-as-filed; 2) any foreign application to which the herein-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the herein-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the herein-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

The undersigned hereby authorizes the U.S. attorney or agent appointed herein to accept and follow instructions from either his foreign patent agent or corporate representative, if any, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

Direct Correspondence to: CUSTOMER NUMBER 7855

At: Greenblum & Bernstein, P.L.C. 1950 Roland Clarke Place Reston, VA 20191

Direct Telephone Calls to: Greenblum & Bernstein, P.L.C. (703) 716-1191

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P66734 Page 2

#### ASSIGNMENT

WHEREAS, Akihiro HARADA, a resident of Osaka, JAPAN, whose mailing address is c/o FUJIKIN INCORPORATED, 3-2, Itachibori 2-chome, Nishi-ku, Osaka-city, Osaka 5500012 JAPAN, Tomohiro NAKATA, a resident of Osaka, JAPAN, whose mailing address is c/o FUJIKIN INCORPORATED, 3-2, Itachibori 2-chome, Nishi-ku, Osaka-city, Osaka 5500012 JAPAN, Tsuneyuki OKABE, a resident of Tokyo, JAPAN, whose mailing address is c/o Tokyo Electron Ltd., Akasaka Biz Tower, 3-1, Akasaka 5-chome, Minato-ku, Tokyo 1076325 JAPAN, and Yuya SHINDO, a resident of Tokyo, JAPAN, whose mailing address is c/o Tokyo Electron Ltd., Akasaka Biz Tower, 3-1, Akasaka 5-chome, Minato-ku, Tokyo 1076325 JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

#### PIPE JOINT

for which an application for Letters Patent in the United States entered the National Stage in the United States Patent and Trademark Office on August 05, 2022 and was awarded Application No. 17/797,862, and which Application is a National Stage of International Application No. PCT/JP2021/008997, filed March 8, 2021.

AND WHEREAS, FUNKIN INCORPORATED, a corporation organized and existing under the laws of JAPAN, whose mailing address is 3-2, Itachibori 2-chome, Nishi-ku, Osaka-city, Osaka 5500012 JAPAN, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee

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P66734 Page 3

acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness (Optional):	
(Name)	
(Date)	
	Ukihiro HARADA
	Sep. 16, 2022
Second Witness (Optional):	
(Name)	
(Date)	

(266734-05383697-0000)

P66734 Page 5 IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below. First Witness (Optional): (Name) (Date) /Tsuneyuki Okabe/ Tsuneyuki OKABE October 11, 2022 Date Second Witness (Optional): (Name) (Date)

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P66734	Page 6
IN TESTIMONY WHEREOF, this assignment respective date(s) indicated below.	it is executed by said ASSIGNOR(S), on the
First Witness (Optional):	
(Name)	
(Date)	
	/Yuya Shindo/
	Yuya SHINDO
	October 11, 2022
	Date
Second Witness (Optional):	
(ATT )	
(Name)	
(Date)	

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