12/17/2021 507034890

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7081727

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TASUKU SANO	11/30/2021
RYUHEI OKUYAMA	11/30/2021
AKANE MINAGAWA	11/30/2021
YOSHIHIRO TESHIMA	11/29/2021
AKIRA HAMADA	12/02/2021

RECEIVING PARTY DATA

Name:	SHINSHU UNIVERSITY
Street Address:	1-1, ASAHI 3-CHOME
Internal Address:	MATSUMOTO-SHI
City:	NAGANO
State/Country:	JAPAN
Postal Code:	390-8621
Name:	CASIO COMPUTER CO., LTD.
Street Address:	6-2, HON-MACHI 1-CHOME
Internal Address:	SHIBUYA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	151-8543

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17620672

CORRESPONDENCE DATA

Fax Number: (212)319-5101

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: 2123194900

Email: rlevinsohn@hhpatent.com **Correspondent Name:** HOLTZ, HOLTZ & VOLEK PC

Address Line 1: 630 NINTH AVENUE

Address Line 2: **SUITE 1010**

REEL: 058424 FRAME: 0889 507034890

PATENT

Address Line 4: NEW YORK, NEW YORK 10036		
ATTORNEY DOCKET NUMBER:	21309	
NAME OF SUBMITTER:	RYAN LEVINSOHN	
SIGNATURE:	/Ryan Levinsohn/ 12/17/2021	
DATE SIGNED:		
This document serves as an Oath/Declaration (37 CFR 1.63).		

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> PATENT REEL: 058424 FRAME: 0890

Title of Invention

FEATURE QUANTITY EXTRACTING DEVICE, FEATURE QUANTITY EXTRACTING METHOD, IDENTIFICATION DEVICE, IDENTIFICATION METHOD, AND PROGRAM

As the below named inventor, I hereby declare that:

This declaration is directed to:

[] The attached application, or

[X] United States application or PCT international application Number PCT/JP2020/013225, filed on <u>March 25, 2020</u>.

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

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

In consideration of value received, I sell and assign to (1) SHINSHU UNIVERSITY, having an address at 1-1, Asahi 3-chome, Matsumoto-shi, Nagano 390-8621, JAPAN, and (2) CASIO COMPUTER CO., LTD., having a business address at 6-2, Hon-machi 1-chome, Shibuya-ku, Tokyo 151-8543, JAPAN, its successors, assigns or nominees, hereinafter referred to as "Assignees", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.

I authorize said Assignees to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignees.

I agree that on request and without further consideration, but at the expense of said Assignees, I will communicate to said Assignees or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignees to obtain and enforce proper patent protection for said invention in all countries.

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.

LEGAL NAME OF INVENTOR			
Tasuku SANO	Tafulcu Sano	30/ Nov 12021	
Inventor (printed name)	Signature	Date	-

Holtz, Holtz & Volek PC

630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

> PATENŢ REEL: 058424 FRAME: 0891

Title of Invention FEATURE QUANTITY EXTRACTING DEVICE, FEATURE QUANTITY EXTRACTING METHOD, IDENTIFICATION DEVICE, IDENTIFICATION METHOD, AND PROGRAM

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THE REPORT OF THE PROPERTY OF		
LEGAL NAME OF INVENTOR		
Ryuhei OKUYAMA	到-137	30 Nov, 2024
Inventor (printed name)	Signature	Date

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> PATENT REEL: 058424 FRAME: 0892

Title of Invention

FEATURE QUANTITY EXTRACTING DEVICE, FEATURE QUANTITY EXTRACTING METHOD, IDENTIFICATION DEVICE, IDENTIFICATION METHOD, AND PROGRAM

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	·	
	LEGAL NAME OF INVENTOR	
Akane MINAGAWA	Abane Winegawa	30 Najanka 2021
Inventor (printed name)	Signature	Date Date

Holtz, Holtz & Volek PC

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> PATENT REEL: 058424 FRAME: 0893

Combined Declaration and Assignment Title of Invention FEATURE QUANTITY EXTRACTING DEVICE, FEATURE QUANTITY EXTRACTING METHOD, IDENTIFICATION DEVICE, IDENTIFICATION METHOD, AND PROGRAM As the below named inventor, I hereby declare that: This declaration [] The attached application, or is directed to: [X] United States application or PCT international application Number PCT/JP2020/013225, filed on March 25, 2020. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. In consideration of value received, I sell and assign to (1) SHINSHU UNIVERSITY, having an address at 1-1, Asahi 3-chome, Matsumoto-shi, Nagano 390-8621, JAPAN, and (2) CASIO COMPUTER CO., LTD., having a business address at 6-2, Hon-machi 1-chome. Shibuya-ku, Tokyo 151-8543, JAPAN, its successors, assigns or nominees, hereinafter referred to as "Assignees", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications. I authorize said Assignees to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said Invention to said Assignees. Lagree that on request and without further consideration, but at the expense of said Assignees, I will communicate to said Assignees or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful caths and declarations, and generally do everything possible to aid said Assignees to obtain and enforce proper patent protection for said invention in all countries. 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,

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LEGAL NAME OF INVENTOR

Joshihiro Jeshima

Signature

Yoshihiro TESHIMA

Inventor (printed name)

PATENT REEL: 058424 FRAME: 0894

Nov. 29, 2021

Date

Title of Invention

FEATURE QUANTITY EXTRACTING DEVICE, FEATURE QUANTITY EXTRACTING METHOD, IDENTIFICATION DEVICE, IDENTIFICATION METHOD, AND PROGRAM

As the below named inventor, I hereby declare that:

This declaration

The attached application, or

is directed to:

[X] United States application or PCT international application Number <u>PCT/JP2020/013225</u>, filed on March 25, 2020.

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LEGAL NAME OF INVENTOR Akira HAMADA Akira Hamada Inventor (printed name) LEGAL NAME OF INVENTOR Dec. 2, 202

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> PATENT REEL: 058424 FRAME: 0895

RECORDED: 12/17/2021