505275412 01/11/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5322184

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUKIO HAYASHI	12/19/2018
YOSHINORI ABE	12/19/2018

RECEIVING PARTY DATA

Name:	PIONEER CORPORATION
Street Address:	28-8, HONKOMAGOME 2-CHOME
City:	BUNKYO-KU, TOKYO
State/Country:	JAPAN
Postal Code:	113-0021

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16317443

CORRESPONDENCE DATA

Fax Number: (619)235-0398

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: 6192381900

Email: docketing@procopio.com

Correspondent Name: PROCOPIO, CORY, HARGREAVES & SAVITCH LLP

Address Line 1: 525 B STREET Address Line 2: SUITE 2200

Address Line 4: SAN DIEGO, CALIFORNIA 92101

ATTORNEY DOCKET NUMBER:	124862-026US1
NAME OF SUBMITTER:	JESSICA R. GROSS
SIGNATURE:	/Jessica R. Gross/
DATE SIGNED:	01/11/2019

Total Attachments: 1

source=124862-026US1_Assignment#page1.tif

PATENT 505275412 REEL: 047975 FRAME: 0236

Assignment

Whereas, I/We, Yukio HAYASHI and Yoshinori ABE of Kawagoe, Japan hereinafter called assignor(s), have invented certain improvements in INFORMATION PROCESSING DEVICE, OPTICAL APPARATUS, CONTROL METHOD, PROGRAM AND STORAGE MEDIUM and executed an application for Letters Patent of the United States of America therefor; and

Whereas, Pioneer Corporation, 28-8, Honkomagome 2-chome, Bunkyo-ku, Tokyo 113-0021 Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

& SAV	I/We hereby authorize and request my attorneys PROCOPIO, CORY, HARGREAVES /ITCH LLP of 525 B Street Suite 2200, San Diego, CA 92101 to insert here in
	neses (Application number 16/317,443 and Confirmation number
	, filed January 11, 2019) the application number, confirmation number
and fili	ing date of said application when known.
Date:	December 19,2018 Yukio Hayashi
	s/ Yukio HAYASHI
Date:	Documber 19,2018 Yoshinori Abe
	s/ Yoshinori ABE

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT REEL: 047975 FRAME: 0237

RECORDED: 01/11/2019