12/19/2017 504694445

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4741167

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEISUKE SAKANUSHI	12/05/2017
YASUNARI MIYABE	12/11/2017
SHOZO ISOBE	12/01/2017
KAZUYUKI GOTO	12/07/2017
CHIKASHI SUGIURA	12/04/2017

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, Shibaura 1-chome, Minato-Ku
City:	Tokyo
State/Country:	Japan
Postal Code:	105-8001
Name:	TOSHIBA DIGITAL SOLUTIONS CORPORATION
Name: Street Address:	TOSHIBA DIGITAL SOLUTIONS CORPORATION 72-34, HORIKAWA-CHO, SAIWAI-KU
Street Address:	72-34, HORIKAWA-CHO, SAIWAI-KU

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15714198

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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: (703) 413-3000

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Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 507891US

> **PATENT** REEL: 044432 FRAME: 0748

504694445

NAME OF SUBMITTER:	MARA VUKOVIC
SIGNATURE:	/Mara Vukovic/
DATE SIGNED:	12/19/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 5	
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source=507891USASSN#page5.tif	

Title of

INPUT SUPPORT APPARATUS AND COMPUTER PROGRAM PRODUCT

Invention	
As the below named inventor, I hereby declare that:	
This declaration The attached application, or	
is directed to: United States application or PCT international application number 15/714,198 filed on September 25, 2017	
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.	
WHEREAS, Kabushiki Kaisha Toshiba and Toshiba Digital Solutions Corporation	
(hereinafter referred to as "ASSIGNEES") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan and 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 212-8585 JAPAN, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;	
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign 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	
Inventor: Keisuke SAKANUSHI Date: Perembon 5, 2017	
Signature: Kejauke SAKANUSHI	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
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by fine or imprisor	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 iment of not more than five (5) years, or both.
LEGAL NAME O	FINVENTOR
Inventor: Shozo	150BE Date: December 1, 2017
Signature:	Chozo Isobe

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention INPUT SUPPORT APPARATUS AND COMPUTER PROGRAM PRODUCT	
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LEGAL NAME OF INVENTOR	
Inventor: Kazuyuki GOTO Date: December 7, 2017	
Signature: Kaznanki Oroto	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

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LEGAL NAME OF	
Inventor: Chikash	i SUGIURA Date: DeC. 4 , 2017
Signature: $ extstyle \mathcal{A}$	ikahi Lojiwa

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PATENT REEL: 044432 FRAME: 0754

RECORDED: 12/19/2017