502254023 03/05/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Minoru NISHIZAWA	02/19/2013
Tatsuro IKEDA	02/19/2013
Masataka YAMADA	02/19/2013
Yuuichirou ESAKI	02/19/2013
Seiichiro TANAKA	02/19/2013

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 SOLUTIONS CORPORATION
Street Address:	1-1, Shibaura 1-chome, Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	105-8001

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13785746

CORRESPONDENCE DATA

7034132220 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7034133000 Email: sjones@oblon.com Correspondent Name: Oblon Spivak LLP

> **PATENT** REEL: 029927 FRAME: 0341

502254023

Address Line 1: 1940 Duke St Address Line 4: ALEXANDRIA,	VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	412946US2TTCX CONT
NAME OF SUBMITTER:	Shanele Jones
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 5 source=412946USassn#page1.tif source=412946USassn#page2.tif source=412946USassn#page3.tif source=412946USassn#page4.tif source=412946USassn#page5.tif	

Title of Invention	AUTHENT DEVICE	ICATION COLLAB	ORATION SY	STEM AND ID PROVIDER
As the below named	d inventor, I he	reby declare that:		
This declaration 🗵	The attached	application, or		
is directed to:	United States filed on	s application or PCT into	ernational applica	ation number
The above-identified	d application v	was made or authorized	to be made by m	e.
I believe that I am the	he original inv	entor or an original join	t inventor of a cl	aimed invention in the application.
				JTIONS CORPORATION
Tokyo, JAPAN, 23 acquiring interests i). 1-1, Shibau in the entire ri	ira 1-chome, Minato-ki ght, title and interest in	u. Tokyo, JAPA and to said inve	t: 1). 1-1, Shibaura 1-chome, Minato-ku, AN, respectively are desirous of jointly ention and in and to any Letters Patent that is and in any and all foreign countries;
acknowledged, and said ASSIGNEES, t and in all foreign co other relevant Inter- interest in and to a	for other good the full and ex- countries (include national Treati ny and all Let any and all	d and valuable consider clusive right to the said ding the right to claim p es and Arrangements fr tters Patent which may foreign countries and	ation, I, by these invention in the priority under the om the aforesaid be granted there	RS (\$5.00), the receipt whereof is hereby e presents do sell, assign and transfer unto United States and its territorial possessions e terms of the International Convention and application) and the entire right, title and efor in the United States and its territorial and all divisions, reissues, continuations,
any and all foreign assignees of my en their successors and	countries to is tire right, title I assigns, to the	ssue any and all of said and interest in and to t	Letters Patent, he same, for the for which said L	ed States and its territorial possessions and when granted, to said ASSIGNEES as the sole use and behoof of said ASSIGNEES, etters Patent may be granted, as fully and d 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.				
		willful false statement rore than five (5) years, o		aration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR			
Inventor: Minoru	Nishizawa			Date: Jehrnary 19. 20/3
Signature:	inoru h	ishizawa		<i>V</i>

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Invention	DEVICE DEVICE	ON SYSTEM AND ID PROVIDER	
As the below named inventor, I hereby declare that:			
This declaration The attached application, or			
is directed to:	United States application or PCT international filed on	application number	
The above-identifie	d application was made or authorized to be made	e by me.	
I believe that I am t	he original inventor or an original joint inventor	of a claimed invention in the application.	
(hereinafter referred Tokyo, JAPAN, 2) acquiring interests in). 1-1, Shibaura 1-chome, Minato-ku, Tokyo,	ness at: 1). 1-1, Shibaura 1-chome, Minato-ku, JAPAN, respectively are desirous of jointly id invention and in and to any Letters Patent that	
acknowledged, and said ASSIGNEES, and in all foreign co other relevant Inter- interest in and to a	for other good and valuable consideration, I, be the full and exclusive right to the said invention buntries (including the right to claim priority un- national Treaties and Arrangements from the af- my and all Letters Patent which may be granted any and all foreign countries and in and to	OLLARS (\$5.00), the receipt whereof is hereby y these presents do sell, assign and transfer unto in the United States and its territorial possessions der the terms of the International Convention and oresaid application) and the entire right, title and d therefor in the United States and its territorial any and all divisions, reissues, continuations,	
any and all foreign assignees of my en their successors and	countries to issue any and all of said Letters P tire right, title and interest in and to the same, if	e United States and its territorial possessions and atent, when granted, to said ASSIGNEES as the for the sole use and behoof of said ASSIGNEES, said Letters Patent may be granted, as fully and ent 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 acknow by fine or imprison	ledge that any willful false statement made in the ment of not more than five (5) years, or both.	is declaration is punishable under 18 U.S.C. 1001	
LEGAL NAME OF	INVENTOR		
Inventor: Tatsuro		Date: <u>February 19. 2013</u>	
Signature:	Town Hedu	0	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Invention AUT	HENTICATION COLLABORATION SYSTEM AND ID PROVIDER ICE	
As the below named inven	tor, I hereby declare that:	
This declaration The a	ttached application, or	
is directed to: Unite	d States application or PCT international application number on	
The above-identified appli	cation was made or authorized to be made by me.	
I believe that I am the orig	inal inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, 1).KABUS	HIKI KAISHA TOSHIBA 2). TOSHIBA SOLUTIONS CORPORATION	
Tokyo, JAPAN, 2). 1-1, acquiring interests in the e	"ASSIGNEES") having places of business at: 1). 1-1, Shibaura 1-chome, Minato-ku, Shibaura 1-chome, Minato-ku, Tokyo, JAPAN, respectively are desirous of jointly entire right, title and interest in and to said invention and in and to any Letters Patent that in the United States and its territorial possessions and in any and all foreign countries;	
acknowledged, and for oth said ASSIGNEES, the full and in all foreign countries other relevant Internationa interest in and to any and	in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby the good and valuable consideration, I, by these presents do sell, assign and transfer unto and exclusive right to the said invention in the United States and its territorial possessions (including the right to claim priority under the terms of the International Convention and I Treaties and Arrangements from the aforesaid application) and the entire right, title and all Letters Patent which may be granted therefor in the United States and its territorial all foreign countries and in and to any and all divisions, reissues, continuations, thereof.	
any and all foreign countriassignees of my entire rig their successors and assign	request the Patent Office Officials in the United States and its territorial possessions and ies to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the ht, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, as, to the full end of the term for which said Letters Patent may be granted, as fully and 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.		
	nat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 not more than five (5) years, or both.	
LEGAL NAME OF INVE		
Inventor: Masataka Yam	ada Date: February 19, 2013	
Signature: Masatoka	·	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	AUTHENTICATION COLLABORATION SYSTEM AND ID PROVIDER DEVICE
As the below name	d inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number
The above-identifie	d application was made or authorized to be made by me.
I believe that I am the	he original inventor or an original joint inventor of a claimed invention in the application.
	ABUSHIKI KAISHA TOSHIBA 2).TOSHIBA SOLUTIONS CORPORATION
Tokyo, JAPAN, 2 acquiring interests i	d to as "ASSIGNEES") having places of business at: 1). 1-1, Shibaura 1-chome, Minato-ku, 1. 1-1, Shibaura 1-chome, Minato-ku, Tokyo, JAPAN, respectively are desirous of jointly in the entire right, title and interest in and to said invention and in and to any Letters Patent that refore in the United States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEES, and in all foreign co other relevant Inten- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions puntries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and all foreign assignees of my en their successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the tire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, I assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
respecting said inv continuation, substi- all of said Letters I possible to aid said	that I will communicate to said ASSIGNEES or their representatives any facts known to me rention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, tute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said ted States and its territorial possessions and in any and all foreign countries.
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.
LEGAL NAME OF	
Inventor: Yuuichi	rou Esaki Date: February 19, 2013
Signature: Yut	uichirou Esaki

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Invention	DEVICE		
As the below name	As the below named inventor, I hereby declare that:		
This declaration 🗵	This declaration The attached application, or		
is directed to:	United States application or PCT international application number		
The above-identifie	d application was made or authorized to be made by me.		
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.		
(hereinafter referred Tokyo, JAPAN, 2 acquiring interests is may be granted ther	WHEREAS, 1).KABUSHIKI KAISHA TOSHIBA 2).TOSHIBA SOLUTIONS CORPORATION (hereinafter referred to as "ASSIGNEES") having places of business at: 1). 1-1, Shibaura 1-chome, Minato-ku, Tokyo, JAPAN, 2). 1-1, Shibaura 1-chome, Minato-ku, Tokyo, 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;		
acknowledged, and said ASSIGNEES, and in all foreign of other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions buntries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals 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 acknowl by fine or imprisonn	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.		
LEGAL NAME OF	INVENTOR		
Inventor: Seiichiro	Tanaka Date: February 19, 2013		
Signature: Spiic	hiro Tanaka		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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PATENT REEL: 029927 FRAME: 0347

RECORDED: 03/05/2013