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PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Minoru NISHIZAWA	04/26/2013
Seiichiro TANAKA	04/25/2013
Tatsuro IKEDA	04/26/2013

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: 105-6691		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13890539

CORRESPONDENCE DATA

Fax Number: 7034132220

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

Phone: (703) 413-3000
Email: afowler@oblon.com
Correspondent Name: Oblon, Spivak, et al.
Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

PATENT

REEL: 030384 FRAME: 0897

ATTORNEY DOCKET NUMBER:	416006US2SX CONT
NAME OF SUBMITTER:	Anna Fowler
Signature:	/Anna Fowler/
Date:	05/09/2013
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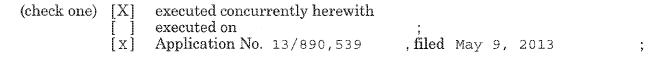
PATENT REEL: 030384 FRAME: 0898 In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

AUTHENTICATION FEDERATION SYSTEM AND ID PROVIDER DEVICE

have sold and assigned and do hereby sell and assign to

- 1. KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan; and
- 2. TOSHIBA SOLUTIONS CORPORATION, a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-6691, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:



and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA 22314

PATENT REEL: 030384 FRAME: 0899

[1st Inventor] Residence Address: Fuchu-shi, Japan Mailing Address: c/o Intellectual Property Departmen SOLUTIONS CORPORATION, 1-1, Shibaura 1-chom Citizenship: Japan				
minoru nishiyawa	April 26. 2-13			
Minoru Nishizawa	Date: '			
[2nd Inventor] Residence Address: Koshigaya-shi, Japan Mailing Address: c/o Intellectual Property Department Technology Planning Division, TOSHIBA SOLUTIONS CORPORATION, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-6691, Japan Citizenship: Japan				
Solichiro Tanaka	April 25, 20/3 Date:			
Seiichiro Tanaka	Date:			
[3rd Inventor] Residence Address: Fuchu-shi, Japan Mailing Address: c/o Intellectual Property Department Technology Planning Division, TOSHIBA SOLUTIONS CORPORATION, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-6691, Japan Citizenship: Japan				
Patsuro Ikeda Tatsuro Ikeda	April 26, 20/3 Date:			
Tatsuro Ikeda	Date:			

PATENT REEL: 030384 FRAME: 0900

RECORDED: 05/09/2013