

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2862183

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKESHI SAKAI	05/12/2014
TATSURO YOSHIDA	05/12/2014
KAZUHIRO YOSHIKAWA	05/09/2014
SHIGETOSHI SUGAWA	05/09/2014
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14281954
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SIGNATURE:	/Lawrence S. Perry/
DATE SIGNED:	05/20/2014
Total Attachments: 3	
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Attorney Docket No.

ASSIGNMENT

FOR VALUE RECEIVED, we, Takeshi Sakai, Tatsuro Yoshida,
Kazuhiro Yoshikawa, Shigetoshi Sugawa

all citizens of Japan

all having a post office address at c/o Tohoku University
1-1, Katahira 2-chome, Aoba-ku
Sendai-shi, Miyagi
Japan

hereby sell, assign, transfer and convey unto Tohoku University

a corporation of Japan

having a place of business at 1-1, Katahira 2-chome, Aoba-ku
Sendai-shi, Miyagi
Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for all countries, in and to certain inventions relating to **ETCHING METHOD** and described in a non-provisional application for Letters Patent of the United States Application which is filed concurrently herewith and was executed by us and in and to said application, and all applications claiming priority to said application for Letters Patent and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights (collectively "application" or "inventions"); including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee of said application or nominees to invoke and claim for any application for such Letters Patent or other grants of protection ensuing from said provisional application for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

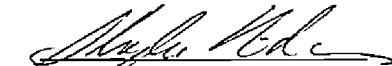
AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to me pertaining to said inventions, and testify in all legal proceedings, sign all lawful

papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

IN TESTIMONY WHEREOF, we hereunto set my hand:


Assignor:


Witness

Takeshi sakai
Takeshi Sakai

May 12, 2014
Date

Assignor:


Witness

Tatsuro Yoshida
Tatsuro Yoshida

May 12, 2014
Date


Assignor:

Witness

Kazuhiro Yoshikawa

Date

Assignor:


Witness

Shigetoshi Sugawa
Shigetoshi Sugawa

May 9, 2014
Date

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to me pertaining to said inventions, and testify in all legal proceedings, sign all lawful

papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

IN TESTIMONY WHEREOF, we hereunto set my hand:

Assignor:

Witness

Takeshi Sakai

Date

Assignor:

Witness

Tatsuro Yoshida

Date

Assignor:

Hisashi Fujimoto

Witness

Kazuhiro Yoshikawa

Kazuhiro Yoshikawa

May 9, 2014

Date

Assignor:

Witness

Shigetoshi Sugawa

Date