

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3182516

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YOSHIMICHI OHKI	10/28/2014
YUICHI HIROSE	10/27/2014
GENTA WADA	10/21/2014
TOSHIKATSU TANAKA	10/21/2014
KENJI OKAMOTO	10/20/2014
RECEIVING PARTY DATA	
Name:	WASEDA UNIVERSITY
Street Address:	104, TOTSUKAMACHI 1-CHOME
Internal Address:	SHINJUKU-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1698050
Name:	FUJI ELECTRIC CO., LTD.
Street Address:	1-1, TANABESHINDEN, KAWASAKI-KU
Internal Address:	KAWASAKI-SHI
City:	KANAGAWA
State/Country:	JAPAN
Postal Code:	2109530
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14398616
CORRESPONDENCE DATA	
Fax Number:	(908)654-0415
<i>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.</i>	
Phone:	(908) 518-6356
Email:	Assignment@ldlkm.com
Correspondent Name:	LDLK&M
Address Line 1:	600 SOUTH AVENUE WEST
Address Line 4:	WESTFIELD, NEW JERSEY 07090

PATENT

ATTORNEY DOCKET NUMBER:	OKUYAM 3.3-094 (E)
NAME OF SUBMITTER:	JOSEPH H. KARLIN
SIGNATURE:	/Joseph H. Karlin/
DATE SIGNED:	01/14/2015
Total Attachments: 5 source=OKUYAM 3.3-094 (E) Assignments#page1.tif source=OKUYAM 3.3-094 (E) Assignments#page2.tif source=OKUYAM 3.3-094 (E) Assignments#page3.tif source=OKUYAM 3.3-094 (E) Assignments#page4.tif source=OKUYAM 3.3-094 (E) Assignments#page5.tif	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) OKUYAM 3.3-094 (E)
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Whereas, I, Yoshimichi OHKI of
c/o WASEDA UNIVERSITY, 104, Totsukamachi 1-chome, Shinjuku-ku, Tokyo 1698050 Japan
hereafter referred to as assignor, have with others invented certain new and useful improvements in
METAL-BASE PRINTED CIRCUIT BOARD

☒ for which an application for a United States Letters Patent was filed on _____
Application Number _____

☐ for which an application for a United States Letters Patent was executed by me on _____

☒ for which an International Application was filed on August 1, 2013, as
PCT/JP2013/070897, designating the United States.

And

Whereas, WASEDA UNIVERSITY and FUJI ELECTRIC CO., LTD.
university and corporation of Japan herein referred to as "assignees" whose mailing addresses are
104, Totsukamachi 1-chome, Shinjuku-ku, Tokyo 1698050 Japan and 1-1, Tanabeshinden, Kawasaki-ku,
Kawasaki-shi, Kanagawa 2109530 Japan
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof
is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said
assignees my entire right, title and interest for the United States of America and all other countries in and to said
invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue
applications and patents applied for or granted therefor in the United States of America and all other countries, for
said invention, including without limitation all applications and patents for said invention claiming priority or benefit of
the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past
infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and
legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and
Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to
said assignees herein, as assignees of the entire interest therein; and the undersigned for me and my legal
representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver
all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all
assignments thereof to said assignees or its assigns, to communicate to said assignees or its representatives all facts
known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other
legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make
all rightful oaths, and to do generally everything necessary to aid assignees, its successors, assigns and nominees to
obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne
and paid by said assignees.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application
when known.

October 28, 2014
Date

Yoshimichi Ohki
Yoshimichi OHKI

Hitoshi Naito
Witness

Hitoshi Naito
Typed Name of Witness

<input checked="" type="checkbox"/>	*Total of 5 forms are submitted.
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ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

OKUYAM 3.3-094 (E)

Whereas, I, Yuichi HIROSE of
c/o WASEDA UNIVERSITY, 104, Totsukamachi 1-chome, Shinjuku-ku, Tokyo 1698050 Japan

hereafter referred to as assignor, have with others invented certain new and useful improvements in

METAL-BASE PRINTED CIRCUIT BOARD

☒ for which an application for a United States Letters Patent was filed on _____

Application Number _____

☐ for which an application for a United States Letters Patent was executed by me on _____

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And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

October 27, 2014

Date

Yuichi Hirose

Yuichi HIROSE

Hitoshi Naito

Witness

Hitoshi Naito

Typed Name of Witness

☒ *Total of 5 forms are submitted.

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

OKUYAM 3.3-094 (E)

Whereas, I, Genta WADA of
c/o WASEDA UNIVERSITY, 104, Totsukamachi 1-chome, Shinjuku-ku, Tokyo 1698050 Japan

hereafter referred to as assignor, have with others invented certain new and useful improvements in
METAL-BASE PRINTED CIRCUIT BOARD

- ☒ for which an application for a United States Letters Patent was filed on _____
 Application Number _____
- ☐ for which an application for a United States Letters Patent was executed by me on _____
- ☒ for which an International Application was filed on August 1, 2013, as
PCT/JP2013/070897, designating the United States.

And

Whereas, WASEDA UNIVERSITY and FUJI ELECTRIC CO., LTD.
 university and corporation of Japan herein referred to as "assignees" whose mailing addresses are
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And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

October 21, 2014

Date

Genta WADA

Genta WADA

Hitoshi Naito

Witness

Hitoshi Naito

Typed Name of Witness

☒ *Total of 5 forms are submitted.

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

OKUYAM 3.3-094 (E)

Whereas, I, Toshikatsu TANAKA of
c/o WASEDA UNIVERSITY, 104, Totsukamachi 1-chome, Shiniuku-ku, Tokyo 1698050 Japan

hereafter referred to as assignor, have with others invented certain new and useful improvements in

METAL-BASE PRINTED CIRCUIT BOARD

☒ for which an application for a United States Letters Patent was filed on _____
 Application Number _____

☐ for which an application for a United States Letters Patent was executed by me on _____,

☒ for which an International Application was filed on August 1, 2013, as

PCT/JP2013/070897, designating the United States.

And

Whereas, WASEDA UNIVERSITY and FUJI ELECTRIC CO., LTD.

university and corporation of Japan herein referred to as "assignees" whose mailing addresses are

104, Totsukamachi 1-chome, Shinjuku-ku, Tokyo 1698050 Japan and 1-1, Tanabeshinden, Kawasaki-ku,
Kawasaki-shi, Kanagawa 2109530 Japan

is desirous of acquiring the entire right, title and interest in the same;

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And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

October 21, 2014

Date

Toshikatsu Tanaka

Toshikatsu TANAKA

Hitoshi Naito
 Witness

Hitoshi Naito
 Typed Name of Witness

☒ *Total of 5 forms are submitted.

PATENT

REEL: 034708 FRAME: 0067

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

OKUYAM 3.3-094 (E)

Whereas, I, Kenji OKAMOTO ofc/o FUJI ELECTRIC CO., LTD., 1-1, Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa 2109530 Japan

hereafter referred to as assignor, have with others invented certain new and useful improvements in

METAL-BASE PRINTED CIRCUIT BOARD☒ for which an application for a United States Letters Patent was filed on _____

Application Number _____

☐ for which an application for a United States Letters Patent was executed by me on _____,☒ for which an International Application was filed on August 1, 2013, asPCT/JP2013/070897, designating the United States.

And

Whereas, WASEDA UNIVERSITY and FUJI ELECTRIC CO., LTD.university and corporation of Japan herein referred to as "assignees" whose mailing addresses are104, Totsukamachi 1-chome, Shinjuku-ku, Tokyo 1698050 Japan and 1-1, Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa 2109530 Japan

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And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

October 20, 2014

Date

Kenji Okamoto

Kenji OKAMOTO

Chieko Kimura

Witness

Chieko KIMURA

Typed Name of Witness

☒

*Total of 5 forms are submitted.