

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KEIICHI ENDOH	06/06/2012
YUTAKA HISAEDA	06/11/2012
AKIHIRO MIYAZAWA	06/06/2012
AIKO NAGAHARA	06/01/2012
TOSHIHIKO UYEYAMA	06/06/2012
RECEIVING PARTY DATA	
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State/Country:	JAPAN
Postal Code:	101-0021
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14966585
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DATE SIGNED:	12/14/2015
Total Attachments: 7	
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ASSIGNMENT

WHEREAS, **Keiichi ENDOH**, a citizen of JAPAN, whose post office address is c/o DOWA Electronics Materials Co., Ltd. 14-1, Soto-Kanda 4-chome, Chiyoda-ku, Tokyo, 101-0021, JAPAN, **Yutaka HISAEDA**, a citizen of JAPAN, whose post office address is c/o DOWA Electronics Materials Co., Ltd. 14-1, Soto-Kanda 4-chome, Chiyoda-ku, Tokyo, 101-0021, JAPAN, **Akihiro MIYAZAWA**, a citizen of JAPAN, whose post office address is c/o DOWA Electronics Materials Co., Ltd. 14-1, Soto-Kanda 4-chome, Chiyoda-ku, Tokyo, 101-0021, JAPAN, **Aiko NAGAHARA**, a citizen of JAPAN, whose post office address is c/o DOWA Electronics Materials Co., Ltd. 14-1, Soto-Kanda 4-chome, Chiyoda-ku, Tokyo, 101-0021, JAPAN, **Toshihiko UYEYAMA**, a citizen of JAPAN, whose post office address is c/o DOWA Electronics Materials Co., Ltd. 14-1, Soto-Kanda 4-chome, Chiyoda-ku, Tokyo, 101-0021, JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

BONDING MATERIAL AND BONDING METHOD USING THE SAME

for which they have executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office, which Application is a National Stage of International Application No. PCT/JP2010/057293, filed April 23, 2010.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the practitioners of record in this application associated with Customer No. 07055 including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043, William E. Lyddane, Reg. No. 41,568 and William S. Boshnick, Reg. No. 44,550, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. _____, filed _____) the filing date and application number of said application when known.

AND WHEREAS, **DOWA Electronics Materials Co., Ltd.**, a corporation organized and existing under the laws of JAPAN, whose post-office address is 14-1, Soto-Kanda 4-chome, Chiyoda-ku, Tokyo, 101-0021, JAPAN, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire

and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness:

(Name)

(Date)

Keiichi Endoh
Keiichi ENDOH

June 6, 2012
Date

Second Witness:

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness:

(Name)

(Date)

Yutaka HISAEDA

Yutaka HISAEDA

11.06.2012

Date

Second Witness:

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness:

(Name)

(Date)

Akihiro MIYAZAWA

Akihiro MIYAZAWA

June 6, 2012
Date

Second Witness:

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness:

(Name)

(Date)

Aiko NAGAHARA
Aiko NAGAHARA
June 1, 2012
Date

Second Witness:

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness:

(Name)

(Date)


Toshihiko UEYAMA

June 6, 2012
Date

Second Witness:

(Name)

(Date)

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