

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Takashi SEKIGUCHI	03/17/2011
Satoko KAMBE	03/17/2011
Shigeo YAMADA	03/17/2011
Tatsuya OOASHI	03/17/2011

RECEIVING PARTY DATA

Name:	Panasonic Electric Works Co., Ltd.
Street Address:	1048, Oaza Kadoma, Kadoma-shi
City:	Osaka
State/Country:	JAPAN
Postal Code:	571-8686

Name:	Nippon Soda Co., Ltd.
Street Address:	2-1, Ohtemachi 2-chome, Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-8165

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13000899

CORRESPONDENCE DATA

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OP \$40.00 13000899

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ATTORNEY DOCKET NUMBER:

P39336

NAME OF SUBMITTER:

Sean Myers-Payne

Total Attachments: 5

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ASSIGNMENT

WHEREAS, (1) Takashi SEKIGUCHI; (2) Shingo KAMBE(deceased) (signed by heir: Satoko KAMBE as legal representative on behalf of Shingo KAMBE); (3) Shigeo YAMADA; and(4) Tatsuya OOASHI, a citizen of Japan, whose post office address is (1) and (2) c/o Panasonic Electric Works Co., Ltd., 1048, Oaza Kadoma, Kadoma-shi, Osaka 571-8686 Japan; (3) c/o Chiba Plant, Nippon Soda Co., Ltd., 12-8, Goiminamikaigan, Ichihara-shi, Chiba 290-8530 Japan; and (4) c/o Nippon Soda Co., Ltd., 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-8165 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

DYE-SENSITIZED SOLAR CELL

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/JP2009/002840, filed on June 22, 2009.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application 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. 13/000,899, filed 12/22/2010) the filing date and application number of said application when known.

AND WHEREAS, (1) Panasonic Electric Works Co., Ltd. and (2) Nippon Soda Co., Ltd., a corporation organized and existing under the laws of the State of Japan, whose post-office address is (1) 1048, Oaza Kadoma, Kadoma-shi, Osaka 571-8686 Japan and (2) 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-8165 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, 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 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, 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 Takashi SEKIGUCHI, this 17th day of March, 2011, at c/o Panasonic Electric Works Co., Ltd., 1048, Oaza Kadoma, Kadoma-shi, Osaka 571-8686 Japan.

First Witness:

(Name)

(Date)



Takashi SEKIGUCHI

Second Witness:

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by Shingo KAMBE(deceased)
(signed by heir: Satoko KAMBE as legal representative on behalf of Shingo KAMBE), this
17th day of March, 2011, at c/o Panasonic Electric Works Co., Ltd., 1048, Oaza
Kadoma, Kadoma-shi, Osaka 571-8686 Japan.

First Witness:

(Name)

(Date)

Satoko Kambe

Shingo KAMBE(deceased)
(signed by heir: Satoko KAMBE as
legal representative on behalf of
Shingo KAMBE)

Second Witness:

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by Shigeo YAMADA, this 17th day of March, 2011, at c/o Chiba Plant, Nippon Soda Co., Ltd., 12-8, Goiminamikaigan, Ichihara-shi, Chiba 290-8530 Japan.

First Witness:

(Name)

(Date)

Shigeo YAMADA

Shigeo YAMADA

Second Witness:

(Name)

(Date)

CASE 821
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IN TESTIMONY WHEREOF, this assignment is executed by Tatsuya OOASHI, this 17th day of March, 2011, at c/o Nippon Soda Co., Ltd., 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-8165 Japan.

First Witness:

(Name)

(Date)

Tatsuya OOASHI

Tatsuya OOASHI

Second Witness:

(Name)

(Date)