

# PATENT ASSIGNMENT

Electronic Version v1.1

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Junji ARANAMI	12/17/2007
Susumu YOSHIKAWA	12/21/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KYOCERA CORPORATION
<b>Street Address:</b>	6, Takeda Tobadono-cho, Fushimi-ku
<b>City:</b>	Kyoto-shi, Kyoto
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	612-8501
<b>Name:</b>	Susumu YOSHIKAWA
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<b>City:</b>	Ikeda-shi, Osaka
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	563-0029
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11916024
<b>CORRESPONDENCE DATA</b>	
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CH \$40.00 11916024

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**PATENT**  
**REEL: 023278 FRAME: 0564**

ATTORNEY DOCKET NUMBER:	81872.0144
NAME OF SUBMITTER:	Troy M. Schmelzer
Total Attachments: 3 source=81872_0144_Recordation#page1.tif source=81872_0144_Assignment#page1.tif source=81872_0144_Assignment#page2.tif	

RECORDATION FORM COVER LETTER  
**PATENTS ONLY**

Attorney Docket No.: 81872.0144

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Junji ARANAMI signed 12/17/2007  
Susumu YOSHIKAWA signed 12/21/2007

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Execution Date: December 17 and 21, 2007

2. Name and address of receiving party(ies):

KYOCERA CORPORATION  
6, Takeda Tobadono-cho, Fushimi-ku  
Kyoto-shi, Kyoto 612-8501  
JAPAN

- and -

SUSUMU YOSHIKAWA  
6-29, Satsukigaoka 2-chome  
Ikeda-shi, Osaka 563-0029  
JAPAN

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 11/916,024

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Lawrence J. McClure, Esq.  
HOGAN & HARTSON L.L.P.  
1999 Avenue of the Stars, Suite 1400  
Los Angeles, CA 90067

6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41) \$40.00

☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:

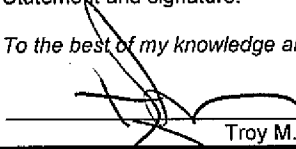
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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.*

  
Troy M. Schmelzer

Date: September 24, 2009

OMB No. 0651-0011 (exp. 4/94)

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## ASSIGNMENT

## 譲渡証書

(1-8) 発明者名 (1) 荒浪 順次  
(2) 吉川 暹

(1-8) Name(s) of Inventor(s) (1) Junji ARANAMI  
(2) Susumu YOSHIKAWA

以下の署名者各々に対して支払われる価値ある対価に基づき、下記署名者は被譲渡人、

In consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) 被譲渡人氏名 (9) ① 京セラ株式会社  
② 吉川 暹  
(10) 被譲渡人の会社設立の州名 (10)  
(11) 被譲渡人の住所 (11)  
① 〒612-8501 日本国京都府京都市伏見区竹田島羽殿町6番地  
② 〒563-0029 日本国大阪府池田市五月丘2丁目6-29

(9) Name of Assignee (9) KYOCERA CORPORATION and Susumu YOSHIKAWA, respectively

(10) State of Incorporation of Assignee (10)

(11) Address of Assignee (11) of 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto 612-8501, Japan and 6-29, Satsukigaoka 2-chome, Ikeda-shi, Osaka 563-0029, Japan, respectively (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) 発明の名称、件番号、又は外国に於ける特許出願番号等の発明を識別するもの

(上記を、以下被譲渡人)へ、下記署名者が米国に於いて特許出願した(12) 針状結晶の配列体を含む複合体およびその製造方法、ならびに光電変換素子、発光素子およびキャパシタで識別される特許出願として公知の発明、及びそれに対応する若しくはそれに基づいた外国での全ての特許出願として公知の発明の世界各国に互っての権利、所有権及び利益を譲渡することに同意し、ここに譲渡する。

(12) Identification of Invention, such as Title, Case Number or Foreign Application Number (12)

COMPOSITE COMPRISING ARRAY OF NEEDLE-LIKE CRYSTAL, METHOD FOR PRODUCING THE SAME, PHOTOVOLTAIC CONVERSION ELEMENT, LIGHT EMITTING ELEMENT, AND CAPACITOR

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(13) 署名日宣言 (13) 日付

(13) Date(s) of Signing of Declaration (13) on

1) 下記署名者は、上記の発明に関し米国及び外国に於ける原出願、再発行、分割出願及び継続出願に必要な全ての書類手続きを遂行することに同意する。さらに下記署名者は、被譲渡人が必要もしくは便宜と看做した際には、かかる出願に関し別個の譲渡手続きを行うことに同意する。

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) 下記署名者は、当該出願又はその継続出願又は分割出願に関し提起され得る抵触審査に関連して必要な全ての書類手続きを遂行することに同意する。さらにかかる抵触審査が発生した際には、証拠の収集等事態の進展に関し被譲渡人に対しあらゆる協力をすることに同意する。

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) 下記署名者は、パリ条約条項又は類似の合意の要求又は規定に関し必要な全ての書類手続き、及び必要と看做される行為全てを遂行することに同意する

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) 下記署名者は、被譲渡人が有効な米国特許の付与の獲得にあたり必要と看做されるあらゆる積極的行動をとることに同意する。

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) 下記署名者は、ここに、特許庁長官に対し、被譲渡人を全利益の被譲渡人と看做し、当該出願又はその分割及び継続出願の米国特許証を被譲渡人に発行する権限を与え、かかる発行を要請する。下記署名者はさらに、被譲渡人はここに譲渡される全利益の譲渡を受ける権利を有すること、及び当該内容に違反する内容の契約は締結していないことを誓約する。

6) 下記署名者は、ここに、  
顧客番号

000026021 →

で表される者に、この書類の登録に関して米国特許商標庁の規則の順守にあたり必要もしくは望ましい識別番号等をこの譲渡証書に追加する権限を与える。

第一署名者

日付

第二署名者

日付

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest here in assigned and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints the persons associated with  
Customer Number:

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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 United States Patent and Trademark Office for recordation of this document.

Signature of Inventor 1

*Junji Aramami*

Date:

12 / 17 / 2007

Signature of Inventor 2

*S. Goshikawa*

Date:

12 / 21 / 2007