

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Makoto Kubota	07/28/2011
Kaoru Miura	07/28/2011
Hisato Yabuta	07/28/2011
Yoshihiko Matsumura	07/29/2011
Yuichi Shimakawa	07/21/2011
Masaki Azuma	07/14/2011

**RECEIVING PARTY DATA**

<b>Name:</b>	Canon Kabushiki Kaisha
<b>Street Address:</b>	30-2, Shimomaruko 3-chome, Ohta-ku
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN

<b>Name:</b>	Kyoto University
<b>Street Address:</b>	36-1, Yoshida-honmachi, Sakyo-ku
<b>City:</b>	Kyoto-shi
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	606-8501

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	13205258

**CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	Jason M. Okun
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Total Attachments: 3 source=ASSIGN03500190145#page1.tif source=ASSIGN03500190145#page2.tif source=ASSIGN03500190145#page3.tif
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*ASSIGNMENT*

FOR VALUE RECEIVED, WE **Makoto Kubota, Kaoru Miura, Hisato Yabuta,  
Yoshihiko Matsumura, Yuichi Shimakawa and Masaki Azuma**  
citizens of **Japan**

hereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA**  
a corporation of **Japan**  
having a place of business at **30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan**  
its successors, assigns and legal representatives

and unto **KYOTO UNIVERSITY**  
a corporation of **Japan**  
having a place of business at **36-1, Yoshida-honmachi, Sakyo-ku, Kyoto-shi, Kyoto  
606-8501 Japan,**

its successors, assigns and legal representatives (hereinafter called the "Assignees"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

**ANTI-THERMALLY-EXPANSIVE RESIN AND ANTI-THERMALLY-  
EXPANSIVE METAL**

and described in an application for Letters Patent of the United States which is filed concurrently herewith and was executed by us, respectively, in and to said application, 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 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 and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignees or to such nominees as they may designate.

said fractions being as follows:

**Makoto Kubota** sells, assigns, transfers and conveys 1/3 of his entire right, title and interest to Canon Kabushiki Kaisha, and 2/3 to Kyoto University;

**Kaoru Miura** sells, assigns, transfers and conveys 1/3 of his entire right, title and interest to Canon Kabushiki Kaisha, and 2/3 to Kyoto University;

**Hisato Yabuta** sells, assigns, transfers and conveys 1/3 of his entire right, title and interest to Canon Kabushiki Kaisha, and 2/3 to Kyoto University;

**Yoshihiko Matsumura** sells, assigns, transfers and conveys 1/3 of his entire right, title and interest to Canon Kabushiki Kaisha, and 2/3 to Kyoto University;

**Yuichi Shimakawa** sells, assigns, transfers and conveys 1/3 of his entire right, title and interest to Canon Kabushiki Kaisha, and 2/3 to Kyoto University; and

**Masaki Azuma** sells, assigns, transfers and conveys 1/3 of his entire right, title and interest to Canon Kabushiki Kaisha, and 2/3 to Kyoto University;

AND we authorize and empower the said Assignees or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by 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 us.

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 Assignees 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 Assignees or nominees all facts known to us 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 Assignees 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.

By: Makoto Kubota  
**Makoto Kubota**

Date: July 28, 2011

By: Kaoru Miura  
**Kaoru Miura**

Date: July 28, 2011

By: Hisato Yabuta  
**Hisato Yabuta**

Date: July 28, 2011

By: Yoshihiko Matsumura  
**Yoshihiko Matsumura**

Date: July 29, 2011

By: Yuichi Shimakawa  
**Yuichi Shimakawa**

Date: July 29, 2011

By: Masaki Azuma  
**Masaki Azuma**

Date: July 14, 2011