

12/452012

B/O FORM PTO 1595 (1/31/92)  
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of Conveying Party(ies):

AKIO FUKUSHIMA  
HITOSHI KUBOTA  
KAY YAKUSHIJI  
SHINJI YUASA AND  
KOJI ANDO

## 2. Name and Address of Receiving Party(ies):

Name: **National Institute of Advanced Industrial  
Science and Technology**  
Address: 3-1, Kasumigaseki 1-chome, Chiyoda-ku  
City: Tokyo  
Japan 100-8921

Additional names of conveying parties attached: ☐ Yes ☒ No

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: **November 27, 2009**

## 4. (a) Patent Application Number(s):

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

☐ Additional Numbers Attached.

## 4. (b) Patent Numbers:

## 5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:

Name: **Juan Carlos A. Marquez**  
Address: **STITES & HARBISON, PLLC  
1199 North Fairfax Street  
Suite 900  
Alexandria, VA 22314**

## 6. Total Number of Applications and Patents Involved:

7. Total Fee: **\$40.00**  
(37 C.F.R. § 3.41)

- ☒ Payment by credit card. Form PTO-2038 is attached.  
☒ Authorized to be charged to deposit account.

## 8. Deposit Account Number 12-0555

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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.

Juan Carlos A. Marquez, Registration No. 34,072

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December 11, 2009

Total number of pages comprising cover sheet: 1

The PTO did not receive the following  
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ASSIGNMENT

WHEREAS, Akio FUKUSHIMA, Hitoshi KUBOTA, Kay YAKUSHIJI, Shinji YUASA and Koji ANDO, whose post office addresses appear below hereinafter referred to as ASSIGNOR, have invented certain new and useful improvements in a **RANDOM NUMBER GENERATING DEVICE** (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_;

WHEREAS, NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, whose post office address is 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 Japan (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, we, ASSIGNOR, by these presents do sell, assign and transfer until said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR here by agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Akio FUKUSHIMA  
c/o National Institute of Advanced Industrial Science  
and Technology, Tsukuba Central 2, 1-1  
Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 Japan

Signature

*Akio Fukushima*

Date

27 Nov. 2009

Hitoshi KUBOTA  
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Signature

*Hitoshi Kubota*

Date

27 Nov. 2009

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Kay Yakushi  
Signature

27 / 11 / 2009  
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