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02-06-2001



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101605635

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

10/19/01  
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U.S. PATENT & TRADEMARK OFFICE

1. Name of conveying party(ies):

Masayuji HIRAFUJI

Additional name(s) of conveying party(ies) attached?

yes  no

2. Name and address of receiving party(ies)

Name: National Agriculture Research Center  
1-1, Kannondai 3-chome  
Tsukuba-shi, Ibaraki 305-0856  
JAPAN

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other:

Additional name(s) & address(es) attached?

yes  no

Execution Date: January 17, 2001

4. Application number(s) or patent number(s): 09/761747

If this document is being filed together with a new application, the execution date of the application is: December 20, 2000

A. Patent Application No.(s)

B. Patent No(s).

==

Additional numbers attached?  Yes  No

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

Evenson, McKeown, Edwards  
& Lenahan, P.L.L.C.  
1200 G Street, N.W., Suite 700  
Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00  
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 05-1323

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9. Statement and Signature.

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

Herbert I. Cantor

Reg. No. 24,392

January 18, 2001

Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS, AND DOCUMENT: 3

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Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
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ASSIGNMENT

WHEREAS, Masayuji Hirafuji, a citizen of Japan (hereinafter "ASSIGNOR"), whose address is c/o National Agriculture Research Center, 1-1, Kannondai 3-chome, Tsukuba-shi, Ibaraki 305-0856, Japan, has invented certain new and useful improvements in ARBITRARY FUNCTION GENERATING CIRCUIT USING A SIMPLE OPERATIONAL ELEMENT AND AN ENCRYPTION METHOD THEREFOR for which application for Letters Patent of the United States is about to be made; and

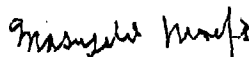
WHEREAS, National Agriculture Research Center (hereinafter "ASSIGNEE"), a corporation of Japan, whose address is 1-1, Kannondai 3-chome, Tsukuba-shi, Ibaraki 305-0856, Japan, is desirous of acquiring an undivided fifty percent (50%) interest in and to the aforesaid invention, and in, to, and under any and all Patents to be obtained therefor in the United States of America;


NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR, has and by these presents does hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, 50% of his right, title and interest in and to said invention as described in said United States Patent Application in any form or embodiment thereof in the United States, and in and to the aforesaid Patent Application; also 50% of his right, title and interest in and to any and all reissues or extensions thereof to be obtained in the United States on said invention, and any divisional,

continuation, continuation-in-part, or substitute applications which may be filed on said invention in the United States, and the issuing authority is hereby authorized and requested to issue any and all patents on said invention to said ASSIGNEE, as assignee of a 50% undivided interest.

ASSIGNOR further agrees without any payment by ASSIGNEE, other than expenses incurred by ASSIGNOR, to communicate to ASSIGNEE, its representatives or agents, facts relating to said invention, including evidence for interference purposes or for other proceedings, whenever requested; to testify in any interference or other proceedings, whenever requested; and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon any heirs, legal representatives, administrators and assigns, and ASSIGNOR hereby warrants that, at the time of execution and delivery of this instrument, he is the lawful owner of the entire right, title and interest in and to said invention and said Patent Application, and that the same are unencumbered and that he has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

IN WITNESS WHEREOF, ASSIGNOR has set his hand and seal hereunto this 17 day of January, 2001.

  
\_\_\_\_\_  
Masayuji Hirafuji

  
\_\_\_\_\_  
Witness