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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):  
Shinsaku Kiyomoto (07/10/2007) and Toshiaki Tanaka (07/10/2007)  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: KDDI Corporation  
Internal Address: \_\_\_\_\_  
Street Address: U.S. PTO  
3-2, Nishi-Shinjuku 2-chome 13/068253  
Shinjuku-Ku, Tokyo 05/06/2011  
JAPAN  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Country: \_\_\_\_\_ Zip: \_\_\_\_\_  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance/Execution Date(s):  
Execution Date(s) in parentheses after inventor name  
 Assignment  Merger  Change of Name  
 Security Agreement  Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

4. Application or patent number(s):  
A. Patent Application No (s)  
13/068253  
Additional numbers attached?  Yes  No

This document is being filed together with a new application  
B Patent No.(s)  
 Yes  No

5. Name and address to whom correspondence concerning document should be mailed:  
Name David G. Conlin  
EDWARDS ANGELL PALMER & DODGE LLP  
Internal Address: Atty. Dkt.: 68769(47762)  
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Email Address: DConlin@eapdlaw.com

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

9. Signature:  
Peter J. Manus  
Signature  
Peter J. Manus - 26,766  
Name of Person Signing

8. Payment Information  
a Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b Deposit Account Number 04-1105  
Authorized User Name Peter J. Manus  
Total number of pages including cover sheet, attachments, and documents: 3

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01 EC:0021 July 20, 2007 E

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Label No. EM054396695US, on the date shown below in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450  
Dated: July 20, 2007 Signature: Laune Brown (Laune Brown)

COPY <sup>OSP-2274-3</sup>  
<sup>US(A) 1/2</sup>

Attorney Docket No.\_\_\_\_\_  
Page 1 of 2

68769(47762)

### ASSIGNMENT

WHEREAS, the following inventor(s):  
hereinafter designated as the undersigned) has (have) invented certain new and useful improvements  
in KEYSTREAM ENCRYPTION DEVICE, METHOD, AND PROGRAM , for which application for Letters Patent of the United  
States has been filed ~~on~~ herewith \_\_\_\_\_, Serial No. \_\_\_\_\_; and

WHEREAS, KDDI CORPORATION, a Japan, corporation , having its principal place of  
business at 3-2, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan , its heirs, successors, legal  
representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire  
right, title and interest in and to said invention and to any Letters Patent(s) that may be granted  
therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and  
valuable consideration to the undersigned, the receipt of which is hereby acknowledged, the  
undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and  
transfer unto said Assignee the full and exclusive right to the said invention in the United States of  
America and its territories, dependencies and possessions and the entire right, title and interest in and  
to any and all Letters Patent(s) which may be granted therefor in the United States of America and its  
territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations  
and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application  
and any continuing, divisional or reissue applications thereof and also to execute separate  
assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said  
application, said invention and said patent(s) as may be known and accessible to the undersigned, and  
will testify as to the same in any interference or litigation related thereto, and will promptly execute  
and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for,  
obtain, maintain or enforce said application or said patent(s) in connection with any interference which  
may be declared, and any litigation concerning this application or any continuation, division or  
reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in  
every way possible in obtaining and producing evidence and proceeding with such interference or  
litigation.

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

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a  
grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to  
said Assignee as fully and entirely as the same would have been held by the undersigned if this  
Assignment and sale had not been made.

PATENT  
REEL: 026374 FRAME: 0754

The undersigned hereby grant(s) the law firm of Edwards & Angell, LLP, of P.O. Box 9169, Boston, Massachusetts 02209, U.S.A. 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 U.S. Patent and Trademark Office for recordation of this document.

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

In witness whereof, signed by the undersigned on the date(s) opposite the undersigned names.

Date: July 10, 2007

Signature of Inventor: Shinsaku Kiyomoto

Name: Shinsaku KIYOMOTO

Date: July 10, 2007

Signature of Inventor: Toshiaki Tanaka

Name: Toshiaki TANAKA

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_

Name:

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_

Name:

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_

Name:

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_

Name: