| Form PTO-1595 (Rev. 10/02) | RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------|--|
| OMB No. 0651-0027 (exp. 6/30/2005) | PATENTS | ONLI | | |
| | | | Docket No. UI1-0002US | |
| | itents and Trademarks: Pi | ease record the attached original docum | ients of copy thereof. | |
| Name of conveying party(les): Tansu Alpcan | | Name and address of receiving particles Name: <u>The Board of Trustees</u> Illinois | | |
| Tamer Basar | 27 | | • | |
| | | Internal Address: | • | |
| Additional name(s) of conveying party(ies) | attached? 🗌 Yes 🗵 No | | | |
| Nature of conveyance: | | , | • | |
| ⊠ Assignment □ | Merger | Street Address: 352 Henry Adm | inistration Building | |
| | Change of Name | 506 South Wrig | ght Street | |
| Other. | - Change of Hame | | | |
| L Galler . | | | | |
| Execution Dates; are listed with names of o | onveying parties in box | Çity: Urbana State: <u>IL</u> Zip: <u>6180</u> | 1 | |
| 1. | | | _ | |
| | | Additional name(s) & address(es) | attached? ☐ Yes ☒ No | |
| 4. Application number(s) or patent number | (5): | | | |
| If this document is being filed together v | vith a new application, the | | ne. | |
| A. Patent Application No.(s) | | B. Patent Registration No.(s) | • | |
| 11/343,953, filed 1/31 | /2006 | | | |
| | | | | |
| | | | | |
| Additional.number(s) attached ☐ Yes ☒ No | | | | |
| Name and address of party to whom co concerning document should be mailed | | 6. Total number of applications and pa | atents involved 1 | |
| | | 7. Total fee (37 CFR 3.41) | \$40.00 | |
| Name: Lee & Hayes, PLLC | | | • | |
| | • | ☐ Enclosed | | |
| Internal Address: | | Authorized to be charged to de | posit account | |
| 421 W. Riverside, Suite 500 Spokane, WA 99201, 509-324-925 | 66 | 8. Deposit account number: | • | |
| City: Spokane State: WA Zip 9920 | 1 | 12-0769 | 9 | |
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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. | | | | |
| Allan T. Sponseller, Reg# 38318 | inseller, Reg# 38318 10 E 5/19/66 | | | |
| Name of Person Signing Signature Date | | | | |
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Washington, D.C. 20231

PATENT

Attorney Docket No. Ul1-0002US Client Docket No. TF05141

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| Serial Number | |
|---------------------------------------|-----------------------------------------------------|
| Filing Date | 1/31/2006 |
| Inventorship | Alpcan et al. |
| Applicant | The Board of Trustees of the University of Illinois |
| Attorney's Docket No. | UI1-0002US |
| Client Docket No | TF05141 |
| Title: Symmetric Cryptosystem Using C | Cascaded Chaotic Maps |

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Tansu Alpcan 1205 E. Florida Ave, Apt. 23A Urbana, IL 61801

Tamer Basar 2810 Valley Brook Drive Champaign, IL 61822

Assignee:

The Board of Trustees of the University of Illinois 352 Henry Administration Building 506 South Wright Street Urbana, IL 61801

AGREEMENT

| WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled |
|----------------------------------------------------------------------------------|
| "Symmetric Cryptosystem Using Cascaded Chaotic Maps" for which: |
| a provisional application for United States Letters Patent was filed on |
| was given U.S. Serial No and/or |
| a non-provisional application for United States Letters Patent was: |
| \boxtimes filed on 1/31/2006 and was given U.S. Serial No11/343,953 ; or filed |
| concurrently herewith. |

PATENT REEL: 017657 FRAME: 0061

P.03/04

Attorney Docket No. UI1-0002US Client Docket No. TF05141

WHEREAS, The Board of Trustees of the University of Illinois (hereinafter referred to as ASSIGNEE), a body corporate and politic of the State of Illinois, having a place of business at 352 Henry Administration Building, 506 South Wright Street, Urbana, Illinois 61801, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

> PATENT REEL: 017657 FRAME: 0062

Attorney Docket No. UI1-0002US Client Docket No. TF05141

| 2/16/2006 | A | Hum |
|---------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Date | Tansu Alpean | 1 - / |
| State of <u>Illinois</u> County of <u>Champaign</u> | .) ss: .) | OFFICIAL SEAL PAMELA D. DAVIS NOTARY PUBLIC, STATE OF ILLINOIS NY COMMISSION EXPIRES 9-27-2009 |
| | who i person who a | , 2006, personally is personally known or proved to me on the acknowledged the foregoing instrument of |
| | | Hamb O. Ovi |
| | | NOTARY PUBLIC in and for the State of |
| | • | Residing at: Daugh Court, Illenis |
| | | My commission expires: 9-22-09 |
| 2/27/2006 Date | Tamer Basar | ue Jasar |
| State of <u>Illinois</u> County of <u>Clompanya</u> | .) ss: .) | |
| Before me this 27 appeared 7mm Sesse | person who a | عمسیہ 2006, personally s personally known or proved to me on the cknowledged the foregoing instrument of |
| OFFICIAL SEAL PAMELA D. DAVIS NOTARY PUBLIC, STATE OF ILLI MY COMMISSION EXPIRES 9-27 | NOIS S | NOTARY PUBLIC in and for the State of Libraria Residing at: Douglas County My commission expires: 9-27-09 |