

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                     |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                         |
| <b>CONVEYING PARTY DATA</b>   |                                    |
| <b>Name</b>   | <b>Execution Date</b>              |
| PAUL C. KOCHER  | 12/17/2009                         |
| PANKAJ ROHATGI  | 12/09/2009                         |
| JOSHUA M. JAFFE   | 12/09/2009                         |
| <b>RECEIVING PARTY DATA</b>   |                                    |
| <b>Name:</b>  | CRYPTOGRAPHY RESEARCH, INC.        |
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| <b>Internal Address:</b>  | 1050 ENTERPRISE WAY, SUITE 700     |
| <b>City:</b>  | SUNNYVALE                          |
| <b>State/Country:</b>   | CALIFORNIA                         |
| <b>Postal Code:</b>   | 94089                              |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                    |
| <b>Property Type</b>  | <b>Number</b>                      |
| <b>Application Number:</b>  | 16240671                           |
| <b>CORRESPONDENCE DATA</b>  |                                    |
| <b>Fax Number:</b>  | (973)597-2400                      |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | 27170.523 L0027C8                  |
| <b>NAME OF SUBMITTER:</b>   | BENJAMIN A. KIMES (REG. NO. 50870) |
| <b>SIGNATURE:</b>   | /Benjamin A. Kimes/                |
| <b>DATE SIGNED:</b>   | 03/28/2019                         |
| <b>Total Attachments: 2</b>   |                                    |
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| source=27170-0523_L0027C8_Assignment#page2.tif  |                                    |

## ASSIGNMENT

**WHEREAS** Paul C. Kocher, a citizen of the United States of America, residing at 48 Pierce Street, San Francisco, CA 94117, U.S.A.; **and** Pankaj Rohatgi, a citizen of the United States of America, residing at 718 Terrace Court, Los Altos, CA 94024, U.S.A.; **and** Joshua M. Jaffe, a citizen of the United States of America, residing at 1070 Church Street, Apt. 209, San Francisco, CA 94114, U.S.A. (hereinafter collectively referred to as **ASSIGNORS**) have jointly made a certain new and useful invention (hereinafter referred to as **INVENTION**) as set forth in a United States provisional application for patent entitled "**Verifiable, Leak-Resistant Encryption and Decryption**", application number 61/266,948, filed December 4, 2009 (hereinafter referred to as **APPLICATION**);

**WHEREAS**, Cryptography Research, Inc., organized and existing under the laws of the State of California, having a place of business at 575 Market Street, 11<sup>th</sup> Floor, San Francisco, CA 94105, U.S.A. (hereinafter referred to as **ASSIGNEE**) is desirous of acquiring the full and exclusive right, title, and interest in, to, and under the **INVENTION** and the **APPLICATION**;

**NOW THEREFORE**, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, each **ASSIGNOR** hereby sells, assigns, and transfers to **ASSIGNEE** his full and exclusive right, title, and interest in the United States (including its territories and dependencies) and all countries foreign thereto in, to, and under the **INVENTION**, the **APPLICATION**, and any other United States applications (including provisional, non-provisional, utility, divisional, continuing, and reissue applications, and any applications claiming priority from the **APPLICATION**) based in whole or in part on the **APPLICATION** or in whole or in part on the **INVENTION**, and any patents (including extensions thereof) of any country that have been or may be granted on any of the aforesaid applications or on the **INVENTION** or any part thereof, and any right to priority to the **APPLICATION**;

Each **ASSIGNOR** hereby authorizes and requests the Commissioner for Patents of the United States of America to issue any and all United States Patents that may be granted on the aforesaid applications or on the **INVENTION** or any part thereof, in the name of **ASSIGNEE**;


Each **ASSIGNOR** hereby grants the attorney of record the power to insert on this agreement any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In the event that **ASSIGNEE** is unable, after reasonable effort, to secure any **ASSIGNOR**'s signature on any **APPLICATION**, paper, or other instrument relating to any patent, patent **APPLICATION**, letters patent, copyright, or other analogous protection relating to the **INVENTION** in any country, whether because of the **ASSIGNOR**'s mental incapacity, death, or for any other reason whatsoever, said **ASSIGNOR** hereby irrevocably designates and appoints **ASSIGNEE** and its duly authorized officers and agents as said **ASSIGNOR**'s agent and attorney in fact to act for and to execute and file any such **APPLICATION**, paper, or other instrument on said **ASSIGNOR**'s behalf, and to do all other lawfully permitted acts to further the prosecution and issuance of any patent, patent **APPLICATION**, letters patent, copyright, or any other analogous protection related to the **INVENTION**, with the same legal force and effect as if executed by said **ASSIGNOR**.


Each **ASSIGNOR** hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this sale, assignment, and transfer, and that said **ASSIGNOR** has the rights, titles, and interests to convey as set forth herein; **AND**

Each **ASSIGNOR** further covenants that upon **ASSIGNEE**'s request, he will provide promptly to **ASSIGNEE** all pertinent facts and documents relating to the aforesaid applications and the **INVENTION** as may be known and accessible to said **ASSIGNOR**, and said **ASSIGNOR** will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to **ASSIGNEE**, or its legal representatives, or its successor, without further consideration, any and all papers, instruments, or

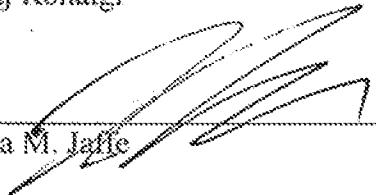
affidavits required to apply for, obtain, maintain, and enforce the aforesaid APPLICATIONS, as may be deemed necessary or desirable by ASSIGNEE to carry out the purposes hereof.

  
\_\_\_\_\_  
Paul C. Kocher

12/17/09  
\_\_\_\_\_  
date of signature

  
\_\_\_\_\_  
Pankaj Rohatgi

12/9/2009  
\_\_\_\_\_  
date of signature

  
\_\_\_\_\_  
Joshua M. Jaffe

12/9/2009  
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date of signature