PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| BAOFENG JIANG | 03/26/2007 |
| KAIYAN CHEN | 03/26/2007 |
| MICHAEL YEW-AIK LIM | 03/26/2007 |

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14561498 |

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| ATTORNEY DOCKET NUMBER: | 2006-A0855 CON1 | |
|-------------------------|-----------------|--|
| NAME OF SUBMITTER: | GRACE ADAME | |
| SIGNATURE: | /Grace Adame/ | |
| DATE SIGNED: | 12/05/2014 | |

Total Attachments: 3

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PATENT REEL: 034387 FRAME: 0884 בט בטטו זטיטט ווג

ASSIGNMENT

WHEREAS, Baofeng Jiang, a citizen of P.R. China, residing at 1413 Whispering Oaks, Pleasanton, California 94566; Kaiyan Chen, a citizen of P.R. China, residing at 1413 Whispering Oaks, Pleasanton, California 94566; and Michael Yew-Aik Lim, a citizen of Singapore, residing at 39120 Argonaut Way, Fremont, California 94538, hereinafter called the "Assignors," have made the invention described in the United States patent application entitled "SYSTEMS AND METHODS FOR RETRIEVING CUSTOMER PREMISE EQUIPMENT DATA," Attorney Docket No. 1033-060855 (AT&T 2006-0855), for a full description of which reference is here made to an application for Letters Patent of the United States filed on March _____, 2007, and assigned Application Serial No _; and

WHEREAS, AT&T KNOWLEDGE VENTURES, L.P., a partnership organized and existing under the laws of the State of Nevada, having a place of business at 645 E. Plumb Lane, Reno, Nevada 89502, hereinafter called the "Assignee", desires to acquire the entire right, title and interest for the United States of America and elsewhere throughout the world in and to said invention and the patent application identified above, including any and all divisions and continuations thereof and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefore in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents.

AND said Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignors authorize attorney or agent to fill in the U.S. Application Serial No. above and the filing data, if required.

AND said Assignors authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any all divisions and continuations thereof, to

> **PATENT REEL: 034387 FRAME: 0885**

Attorney Docket Number: 1033-060855

said Assignee, its assigns and legal representatives, in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, this Assignment is executed by said Assignors, on the date(s) listed below.

| | • | |
|---|--|--|
| Name of First Inventor: | Baofeng Jiang | |
| Signature of First Inventor: | Backs on o | |
| Date: | 03/26/07 | |
| Witnesses for | First Inventor 02/26/07 | |
| First Witness: | Signature / Date | |
| , | Zhi Ci | |
| | Full Name (printed) 03/26/07 | |
| Second Witne | OSS! Circulture / Date | |
| * H . | —————————————————————————————————————— | |
| • * | 77 | |
| | Full Name (printed) | |
| Name of Second Inventor: Kaiyan Chen Signature of Second Inventor: Kaiyan Chen | | |
| Date: | 03/26/07 | |
| Witnesses fo | r Second Inventor 03/26(07 | |
| First Witness | | |
| | Signature / Date | |
| | ZW LI | |
| | Full Name (printed) | |
| | 03/26/07 | |
| Second Witn | ess: Signature / Date | |
| | Donggen Zhang | |
| | | |
| | Full Name (printed) | |

Attorney Docket Number: 1033-060855

| Name of Third Inventor: | Michael Yew-Alk Lim |
|------------------------------|---------------------------------------|
| Signature of Third Inventor: | |
| Date: | May 26 2007 |
| Witnesses for | Third Inventor My War Mr 107-26-2007 |
| First Witness: | Signature / Date |
| | 4nn Wen Pu |
| | Full Name (printed) |
| Cooped Witne | 325. Armytolar 3/51/5027 |

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