

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5578159

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|---|--|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | VUCLIP, INC. | 12/31/2015 |
| RECEIVING PARTY DATA | | |
| Name: | VUCLIP (SINGAPORE) PTE. LTD. | |
| Street Address: | 6, TEMASEK BOULEVARD, #41-04A/5, SUNTEC TOWER FOUR | |
| City: | SINGAPORE | |
| State/Country: | SINGAPORE | |
| Postal Code: | 038986 | |
| PROPERTY NUMBERS Total: 1 | | |
| | Property Type | Number |
| | Application Number: | 15225790 |
| CORRESPONDENCE DATA | | |
| Fax Number: | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | | |
| Phone: | 720-845-6065 | |
| Email: | PatentsUS@eip.com | |
| Correspondent Name: | EIP US LLP | |
| Address Line 1: | 5445 DTC PARKWAY, PH4 | |
| Address Line 4: | GREENWOOD VILLAGE, COLORADO 80111 | |
| ATTORNEY DOCKET NUMBER: | E2330.100(T).US#C1+ | |
| NAME OF SUBMITTER: | ERIC M. WILLIAMS | |
| SIGNATURE: | /Eric M. Williams/ | |
| DATE SIGNED: | 06/18/2019 | |
| Total Attachments: 6 | | |
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EXECUTION VERSION

PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT ("Agreement") dated as of 31 December, 2015 (the "Effective Date") by and between:

- (i) VUCLIP, INC., incorporated and registered in California, the United States of America whose office is situated at 1551 McCarthy Blvd., Suite 213, Milpitas, CA 95035, U.S.A. ("Assignor"); and
- (ii) VUCLIP (SINGAPORE) PTE. LTD., incorporated and registered in the Republic of Singapore whose registered office is situated at 6, Temasek Boulevard, #41-04A/5, Suntec Tower Four, Singapore 038986. ("Assignee").

WITNESSETH:

WHEREAS, Assignor and Assignee, among others, entered into a certain Asset Purchase Agreement, dated as of 31 December, 2015 (the "Asset Purchase Agreement");

WHEREAS, under the Asset Purchase Agreement Assignor agreed to transfer its rights in the Assigned Patents (as defined below) to Assignee; and

WHEREAS, Assignor now wishes to assign to Assignee its right, title and interest in and to the Assigned Patents.

NOW, THEREFORE, in consideration of the foregoing and the mutual promises and agreements contained in this Agreement, and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

I. Assignment. Assignor hereby assigns, conveys and transfers to Assignee its right, title, and interest in and to all of the patents and patent applications set forth on Schedule 1 attached hereto (collectively, the "Assigned Patents"), in each case, subject to all existing encumbrances. Pursuant to the foregoing assignment, each of the Assigned Patents shall hereafter be for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors and assigns, as fully and entirely as the same would have been held and enjoyed by the applicable Assignor if this Agreement had not been made. The foregoing assignment includes, without limitation, the rights of Assignor, if any, to (A) register or apply in all countries and regions for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for the Assigned Patents; (B) prosecute, maintain and defend the Assigned Patents before any public or private agency, office or registrar including by filing reissues, reexaminations, divisions, continuations, continuations-in-part, substitutes, extensions and all other applications, and by defending any post

issue proceedings, including Post Grant reviews, Inter Parte Reviews, Covered Business Method Reviews, in respect of the Assigned Patents; (C) claim priority based on the filing dates of any of the Assigned Patents under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, and all other treaties of like purposes; and (D) all causes of action, remedies and other enforcement rights relating to the Assigned Patents including the right to initiate and maintain legal proceedings in respect of any past, present or future infringements thereof and to seek and recover damages or other compensation in respect of such infringements and obtain equitable relief, including injunctive relief, in respect of such infringements, and the right to fully and entirely stand in the place of the applicable Assignor in all matters related to the Assigned Patents.

2. Authorization. Assignor also hereby expressly authorizes the respective patent office or governmental agency in each and every jurisdiction worldwide (including the Commissioner of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities) (the "**Applicable IP Offices**") to: (A) issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the Assignor's interest therein; and (B) record Assignee as the assignee of the Assigned Patents and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Agreement.

3. Further Assurances. Each party hereby agrees to execute and deliver to the other party all necessary documents and take all necessary actions reasonably requested by such party from time to time to confirm or effect the assignments set forth in this Agreement, or otherwise to carry out the purposes of this Agreement, including, without limitation, by providing executed originals of short-form assignment agreements entered into by Assignor and Assignee on the Effective Date for filing or otherwise evidencing the assignments set forth in this Agreement with the Applicable IP Offices; provided, however, that nothing contained herein shall obligate Assignor to incur any cost or pay any expense in connection therewith.

4. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of Hong Kong.

5. General Provisions. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or electronic mail shall be as effective as delivery of a manually executed counterpart of this Agreement. This Agreement may not be supplemented, altered, or modified in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any terms or provisions of this Agreement shall not waive any of its rights under such terms or provisions.

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SCHEDULE 1

PATENTS

Table 1 – Issued Patents

| Country | Application No. | Attorney Docket No. | Filing Date | Title | Inventor(s) |
|----------------|------------------------|----------------------------|--------------------|---|--|
| U.S. | 13/386,487 | 17901NP | 9 Apr 2012 | Method of streaming media to heterogeneous client devices | Areef Reza |
| U.S. | 14/600,003 | 80001-0011 | 19 Jan 2015 | Offline content distribution networks | Nikhil Jakatdar, Arun Prakash, Areef Reza, Bo Shen |

Table 2 – Pending Patents

| Country | Application No. | Attorney Docket No. | Filing or 371 (c) Date | Title | Inventor(s) |
|----------------|------------------------|----------------------------|-------------------------------|--|--|
| India | 169/MUMNP/2012 | | 20 Jan 2012 | Method of streaming media to heterogeneous client devices | Areef Reza |
| U.S. | 13/820,431 | 18447NP | 20 May 2013 | Systems and methods for resilient media streaming | Areef Reza |
| U.S. | 13/820,434 | 18448NP | 13 May 2013 | Systems and methods for client-side media chunking | Areef Reza |
| U.S. | 14/361,275 | 18920NP | 28 May 2014 | Method of determining transport parameters for efficient data transport across a network | Areef Reza |
| U.S. | 14/556,477 | 19088CON | 1 Dec 2014 | Method of streaming media to heterogeneous client devices (Continuation of 13/386,487) | Areef Reza |
| U.S. | 14/626,559 | 80001-0012 | 19 Feb 2015 | Media device knowledge base | Kelly Qian, Bo Shen |
| U.S. | 14/842,585 | 80001-0078 | 1 Sep 2015 | State-based subscription authorization system with fall-back | Shishir Shroff, Bo Shen |
| U.S. | 14/878,360 | 80001-0080 | 8 Oct 2015 | Offline content distribution networks (Continuation of 14/600,003) | Nikhil Jakatdar, Arun Prakash, Areef Reza, Bo Shen |

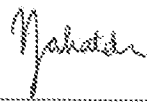
Table 3 – Applications to be filed

| Country | Application No. | Attorney Docket No. | Filing Date | Title | Inventor(s) |
|----------------|------------------------|----------------------------|--------------------|------------------------------|--|
| U.S. | TBD | 80001-0079 | TBD | Server-Based Video Stitching | Minghui Li, Yaochun Huang, Bo Shen |
| U.S. | TBD | 80001-0081 | TBD | Content Management Systems | Bo Shen, Jian Ding |

IN WITNESS WHEREOF, Assignor and Assignee have caused this instrument to be executed by their respective duly authorized representative as of the Effective Date.

Assignor:

VUCLIP, INC.

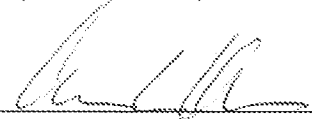
By 

Name: Nickhil Harshavardhan Jakatdar

Title: Director

Assignee:

VUCLIP (SINGAPORE) PTE. LTD.

By 

Name: *Chen Hung Wei, Andrew John*

Title: Director