PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| LEMI TECHNOLOGY, LLC | 01/21/2019 |

RECEIVING PARTY DATA

| Name: | IKORONGO TECHNOLOGY, LLC |
|-----------------|--------------------------|
| Street Address: | 678 BEAR TREE CREEK |
| City: | CHAPEL HILL |
| State/Country: | NORTH CAROLINA |
| Postal Code: | 27517 |

PROPERTY NUMBERS Total: 14

| Property Type | Number |
|---------------------|--------------|
| Patent Number: | 8060525 |
| Patent Number: | 8117193 |
| Patent Number: | 8316015 |
| Patent Number: | 8332425 |
| Patent Number: | 8577874 |
| Patent Number: | 8874554 |
| Patent Number: | 8886666 |
| Patent Number: | 8983937 |
| Patent Number: | 9275138 |
| Patent Number: | 9552428 |
| Patent Number: | 8909667 |
| Patent Number: | 9015109 |
| Application Number: | 13666819 |
| PCT Number: | WO2013077983 |

CORRESPONDENCE DATA

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PATENT REEL: 048081 FRAME: 0095

505288589

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NAME OF SUBMITTER: HUGH BLAKE SVENDSEN

SIGNATURE: /Hugh B. Svendsen/

DATE SIGNED: 01/22/2019

Total Attachments: 3

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> PATENT REEL: 048081 FRAME: 0096

Attachment A

PATENT ASSIGNMENT

WHEREAS, **Lemi Technology**, **LLC**, a Delaware limited liability company having a place of business at 20 Depot St., Suite 2A, Peterborough, NH 03458 (hereinafter "ASSIGNOR"), is the owner of record of the entire and full right, title, and interest to certain new and useful improvements in the following United States Patents and Patent Applications for Letters Patent in the United States (hereinafter the "Patents"):

| APPLICATION NUMBER | FILING DATE | PATENT NUMBER | ISSUE DATE | STATUS | TITLE |
|-----------------------|----------------|------------------|------------|---------|---|
| CN20081184985 | | CN101464881 | | Expired | Method and system for generating media recommendations in a distributed environment based on tagging play history information with location information |
| 11963050 | 12/21/2007 | 8060525 | 11/15/2011 | Active | Method and system for generating media recommendations in a distributed environment based on tagging play history information with location information |
| 12192682 | 08/15/2008 | 8117193 | 02/14/2012 | Active | Tunersphere |
| 13228688 | 09/09/2011 | 8316015 | 11/20/2012 | Active | Tunersphere |
| 13286746 | 01/11/2011 | 8332425 | 12/11/2012 | Active | Method and system for generating media recommendations in a distributed environment based on tagging play history information with location information |
| 13655648 | 10/19/2012 | 8577874 | 11/05/2013 | Expired | Tunersphere |
| 14069761 | 01/11/2013 | 8874554 | 10/28/2014 | Active | Turnersphere |
| 13616651 | 09/14/2012 | 8886666 | 11/11/2014 | Expired | Method and system for generating media recommendations in a distributed environment based on tagging play history information with location information |
| 14488456 | 09/17/2014 | 8983937 | 03/17/2015 | Active | Tunersphere |
| 14658551 | 03/16/2015 | 9275138 | 03/01/2016 | Active | System for generating media recommendations in a distributed environment based on seed information |
| 15056310 | 02/29/2016 | 9552428 | 01/24/2017 | Active | System for generating media recommendations in a distributed environment based on seed information |

PATENT REEL: 048081 FRAME: 0097

| 13666808 | 01/11/2012 | 8909667 | 12/09/2014 | Active | Systems, methods, and computer readable media for generating recommendations in a media recommendation system |
|-------------------|------------|---------|------------|-----------|---|
| 13666825 | 01/11/2012 | 9015109 | 04/21/2015 | Active | Systems, methods, and computer readable media for maintaining recommendations in a media recommendation system |
| 13666819 | 01/11/2012 | | | Abandoned | Systems, Methods And Computer Readable Media For Selecting Playhead In A Social Media Playback System |
| PCT/US2012/063031 | 01/11/2012 | | | Expired | Adaptive Media Recommendation Systems, Methods, And Computer Readable Media |

WHEREAS, **Ikorongo Technology**, **LLC**, a North Carolina limited liability company having a place of business at 678 Bear Tree Creek Chapel Hill, NC 27517 (hereinafter "ASSIGNEE"), has purchased ASSIGNOR'S entire and full right, title, and interest in and to the inventions disclosed in the Patents;

NOW, THEREFORE, in consideration of sums paid by ASSIGNEE to ASSIGNOR, and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents, does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire and full right, title, and interest throughout the world in, to, and under the said improvements, and the said Patents and all Patents that may be granted thereon, and all continuations, continuations-in-part, divisions, reissues or reexaminations thereof and any foreign counterparts thereto, and applications for Letters Patent that may hereafter be filed for said improvements or for the said Patents in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patent resulting from the Patents to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement. ASSIGNOR does hereby self, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said issued Patents before or after issuance.

> PATENT REEL: 048081 FRAME: 0098

IN TESTIMONY WHEREOF, I pereunto set my hand and seal this 21st day of January 2019...

Ву:

Name: Magdalena Ramos

WITNESS my hand

Name:

Signature:

PATENT REEL: 048081 FRAME: 0099

RECORDED: 01/22/2019