502466994 08/21/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Roger Zimmermann | 03/26/2012 |
| Seon Ho Kim | 03/26/2012 |
| Sakire Arslan Ay | 03/26/2012 |
| Beomjoo Seo | 03/26/2012 |
| Zhijie Shen | 03/26/2012 |
| Guanfeng Wang | 03/26/2012 |
| Jia Hao | 03/26/2012 |
| Ying Zhang | 03/26/2012 |

RECEIVING PARTY DATA

| Name: | National University of Singapore | |
|-----------------|----------------------------------|--|
| Street Address: | 21 Lower Kent Ridge Road | |
| City: | Singapore | |
| State/Country: | SINGAPORE | |
| Postal Code: | 119077 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14000846 |

CORRESPONDENCE DATA

Fax Number: 5125364598

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 512-474-5201

Email: pam.lawrence@nortonrosefulbright.com

Correspondent Name: FULBRIGHT & JAWORSKI LLP
Address Line 1: 98 SAN JACINTO BOULEVARD

Address Line 2: SUITE 1100

Address Line 4: AUSTIN, TEXAS 78701-4255

PATENT

REEL: 031075 FRAME: 0221

P \$40.00 1400084

502466994

| ATTORNEY DOCKET NUMBER: | NUSG.P0010US/11313582 |
|--|-----------------------|
| NAME OF SUBMITTER: | Mark B. Wilson |
| Signature: | /Mark B. Wilson/ |
| Date: | 08/21/2013 |
| Total Attachments: 5 source=NUSGP0010US_Assignment#page1.tif source=NUSGP0010US_Assignment#page2.tif source=NUSGP0010US_Assignment#page3.tif source=NUSGP0010US_Assignment#page4.tif source=NUSGP0010US_Assignment#page5.tif | |

PATENT REEL: 031075 FRAME: 0222

ASSIGNMENT

THIS ASSIGNMENT is made this 26th day of March 2012 between:

- Roger ZIMMERMANN, a citizen of United States & Switzerland, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Seon Ho KIM, a citizen of United States, having a residential address of 6115 S. Galena Ct. Englewood, CO 80111, United States;
- Sakire ARSLAN AY, a citizen of United States, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- 4. Beomjoo **SEO**, a citizen of South Korea, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Zhijie SHEN, a citizen of China, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Guanfeng WANG, a citizen of China, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Jia HAO, a citizen of China, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077; and
- Ying ZHANG, a citizen of China, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;

("the Assignors") of the one part; and

9. **NATIONAL UNIVERSITY OF SINGAPORE** of 21 Lower Kent Ridge Road, Singapore 119077.

("the Assignee") of the other part.

WHEREAS

- A. The Assignors jointly developed an invention relating to "Apparatus, System and Method for Annotation of Media Files with Sensor Data" ("the Invention"), which has been filed as U.S. Provisional Application No. 61/445,036 on 21 February 2011 and Patent Cooperation Treaty (PCT) Application No. PCT/SG2012/000051 on 21 February 2012, claiming priority to U.S. Provisional Application No. 61/445,036 on 21 February 2011 ("Patent Applications").
- B. The Assignors have previously agreed to assign and transfer to the Assignee all their rights, title and interests in the Invention and Patent Applications in all countries in the world ("the Territory") and that the Assignee should be substituted as the applicant in its place. They wish to formalise and confirm the assignment in this agreement ("Assignment").

1

11119N-PCT

REEL: 031075 FRAME: 0223

NOW THIS ASSIGNMENT WITNESSETH AS FOLLOWS:

- In consideration of the sum of One Singapore dollar (S\$1) now paid by the Assignee to the Assignors, receipt of which the Assignors hereby acknowledge, the Assignors assign to the Assignee, free from all encumbrances, all right, title and interest in respect of the Invention and the Patent Applications, all divisions, continuations or reissues filed thereon, all patents granted thereon, and TOGETHER WITH their right to apply for and obtain patents or other similar forms of protection in respect of the Invention or any part or parts of the Invention in the Territory and the right to claim priority of the Patent Applications when making applications in the Territory TOGETHER WITH the right to bring proceedings for infringement in the Territory for any previous infringement TO HOLD the same unto the Assignee and its successors and assign absolutely.
- 2. The Assignors hereby covenant with the Assignee that the Assignors have the full right to convey the entire interest here assigned, have not done or knowingly suffered or been party or privy to any act or thing whereby the Assignors are prevented from assigning the Invention and the Patent Applications, and have not and will not execute any agreement in conflict herewith. The Assignors undertake they will not publish or disclose any particulars of the Invention and the Patent Applications to any person without the prior written consent of the Assignee.
- 3. At the request and cost of the Assignee, the Assignors shall execute all such documents and do all such acts as may be necessary to enable the Assignee or its successors, assigns, or other legal representatives to enjoy the full benefit of the rights confirmed and assigned by this Assignment including applying for and obtaining a patent or patents or other similar forms of protection in respect of the Invention in the Territory, vesting their right in the same in the Assignee when obtained, and testifying as to facts relating to the application and patents granted thereon in any litigation when requested to do so without further compensation, but at the expense of Assignee, its successors or other legal representatives.
- 4. This Assignment may be entered into in any number of counterparts, all of which taken together shall constitute one and the same instrument. Any party hereto may enter into this Assignment by signing any such counterpart.

IN WITNESS whereof the Assignors and Assignee have hereunto executed this Assignment the date and year first above written.

Assignors

Roger Jimmemann
Roger ZIMMERMANN

KARTHIK Ynhoultak
Witness Name and signature

11119N-PCT

| Monto 11 | Jongeun Jun |
|--|---|
| Seon Ho KIM | Witness Name and signature: |
| Saklre ARSLAN AY | Suct U. Ay Mutuay Witness Name and signature |
| Beomjoo SEO | KARTHIK Yokulluth Witness Name and signature |
| Zhijie SHEN | KARTHIK Yokulluli Witness Name and signature |
| Guanfeng WANG | KARTHIK Yhlushiik Witness Name and signature |
| Jia Hao Jia HAO | KARTHIK براسالتلا Witness Name and signature |
| Thora King. | Witness Name and signature |
| Assignee Signed for and on behalf of NATIONAL UNIVERSITY OF SINGAPORE in the presence of | |
| | Witness Name and signature |

ASSIGNMENT

THIS ASSIGNMENT is made this 26th day of March 2012 between:

- Roger ZIMMERMANN, a citizen of United States & Switzerland, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Seon Ho KIM, a citizen of United States, having a residential address of 6115 S. Galena Ct. Englewood, CO 80111, United States;
- Sakire ARSLAN AY, a citizen of United States, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Beomjoo SEO, a citizen of South Korea, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Zhijie SHEN, a citizen of China, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Guanfeng WANG, a citizen of China, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;
- Jia HAO, a citizen of China, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077; and
- Ying ZHANG, a citizen of China, c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;

("the Assignors") of the one part; and

 NATIONAL UNIVERSITY OF SINGAPORE of 21 Lower Kent Ridge Road, Singapore 119077.

("the Assignee") of the other part.

WHEREAS

- A. The Assignors jointly developed an invention relating to "Apparatus, System and Method for Annotation of Media Files with Sensor Data" ("the Invention"), which has been filed as U.S. Provisional Application No. 61/445,036 on 21 February 2011 and Patent Cooperation Treaty (PCT) Application No. PCT/SG2012/000051 on 21 February 2012, claiming priority to U.S. Provisional Application No. 61/445,036 on 21 February 2011 ("Patent Applications").
- B. The Assignors have previously agreed to assign and transfer to the Assignee all their rights, title and interests in the Invention and Patent Applications in all countries in the world ("the Territory") and that the Assignee should be substituted as the applicant in its place. They wish to formalise and confirm the assignment in this agreement ("Assignment").

11119N-PCT

| Seon Ho KIM | Witness Name and signature: |
|--|-----------------------------|
| | |
| Sakire ARSLAN AY | Witness Name and signature |
| | |
| Beomjoo SEO | Witness Name and signature |
| Zhijie SHEN | Witness Name and signature |
| | - |
| Guanfeng WANG | Witness Name and signature |
| Jia HAO | Witness Name and signature |
| Ying ZHANG | Witness Name and signature |
| Assignee Signed for and on behalf of NATIONAL UNIVERSITY OF SINGAPORE in the presence of | |
| Loca | Worliza Cyze |
| Ms Irene Cheong Director, Industry Liaison Office | Witness Name and signature |

11119N-PCT