# 503707234 02/24/2016

## PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:                                     |         |                               |                                      |           |                |  |  |
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| NATURE OF CONVEYANCE:                                |         |                               | ASSIGNMENT                           |           |                |  |  |
| CONVEYING PARTY                                      | ΔΤΑ     |                               |                                      |           |                |  |  |
|  |         |                               | Name                                 |           | Execution Date |  |  |
| TRAVIS ST. GEORGE RAMSAY                             |         |                               |                                      |           | 08/29/2013     |  |  |
| DOMINIC CAMILLERI                                    |         |                               |                                      |           | 08/29/2013     |  |  |
| RECEIVING PARTY D                                    | ΑΤΑ     |                               |                                      |           |                |  |  |
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| PROPERTY NUMBERS Total: 1 Property Type              |         | Number                        | ]                                    |           |                |  |  |
|  |         |                               |                                      |           |                |  |  |
| Application Number: 14                               |         | 1491                          | 13985                                |           |                |  |  |
| CORRESPONDENCE                                       | DATA    |                               |                                      |           |                |  |  |
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| ATTORNEY DOCKET NUMBER:                              |         | LAND-025N                     |                                      |           |                |  |  |
| NAME OF SUBMITTER:                                   |         | VY NGUYEN                     |                                      |           |                |  |  |
| SIGNATURE:   |         | /Vy Nguyen/                   |                                      |           |                |  |  |
| DATE SIGNED:   |         | 02/24/2016                    |                                      |           |                |  |  |
| Total Attachments: 3                                 |         |                               | 1                                    |           |                |  |  |
| source=2013-IP-074378                                | PCT_LAN | ID-02                         | 5A_PCT-ASG-S#page1.tif               |           |                |  |  |
|  | _       |                               | 5A_PCT-ASG-S#page2.tif               |           |                |  |  |
| source=2013-IP-074378                                | PCT_LAN | ID-02                         | 5A_PCT-ASG-S#page3.tif               |           |                |  |  |

#### ASSIGNMENT

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned inventor(s), for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, TRAVIS ST. GEORGE RAMSAY and DOMINIC CAMILLERI, having made an invention in "STATIC EARTH MODEL CALIBRATION METHODS AND SYSTEMS USING TORTUOSITY EVALUATIONS" while in the employ of LANDMARK GRAPHICS CORPORATION, a corporation organized and existing under the laws of the State of Delaware, doing business at 2107 City West Boulevard, Building 2, Houston, Texas 77042, (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

#### 1. Said invention in **"STATIC EARTH MODEL CALIBRATION** METHODS AND SYSTEMS USING TORTUOSITY EVALUATIONS";

2. The International PCT Patent Application on said invention, filed concurrently herewith or as PCT Patent Application No. <u>PCT/US2013/057415</u>, filed <u>August 29, 2013</u>, (Attorney's File No. LAND-025A; attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled "STATIC EARTH MODEL CALIBRATION METHODS AND SYSTEMS USING TORTUOSITY EVALUATIONS";

3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world;

4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;

5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;

6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;

7. The right to ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

### PATENT REEL: 037815 FRAME: 0233

8. All international rights of priority associated with said invention, applications, patents and like protection; and

I (or We) covenant that I (or We), my (our) heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

| EXECUTED at Harris County, TX, on the 29 day of August, 2013.   |   |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|
|   | TRAVIS ST. GEORGE RAMSAY                                |  |  |  |  |  |  |  |
| STATE OF TCX25 §<br>COUNTY OF Having §  |   |  |  |  |  |  |  |  |
| <b>BEFORE ME</b> , the undersigned authority, on this day personally appeared <b>TRAVIS ST</b> . <b>GEORGE RAMSAY</b> , known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed. |   |  |  |  |  |  |  |  |
| GIVEN UNDER my hand and seal of offic   | e, this the The day of A Guest, 2013.                   |  |  |  |  |  |  |  |
| My Commission Expires:  | JACOUE RUIZ<br>My Commission Expires<br>October 1, 2014 |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |

EXECUTED at HARRY County, 12, on the 29 day of August , 2013. CAMILLERI STATE OF CX35 000 000 COUNTY OF BEFORE ME, the undersigned authority, on this day personally appeared DOMINIC CAMILLERI, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER my hand and seal of office, this the Still day of first 2013. [SEAL] My Commission Expires: