501876343 04/03/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| SEONG KYUN JEONG | 03/19/2012 |
| SANG UK LEE | 03/28/2012 |

RECEIVING PARTY DATA

| Name: | ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE |
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| City: | DAEJEON |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 305-700 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13438362 |

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NAME OF SUBMITTER: Loren K. Thompson

Total Attachments: 2

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PATENT

REEL: 027980 FRAME: 0687

UNITED STATES OF AMERICA ASSIGNMENT

In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Seong Kyun JEONG

Hyundai Hillstate Apt. 110-1301, Maetan 1-dong, Yeongtong-gu, Suwon, Gyeonggi-do,

Republic of Korea

Sang Uk LEE

Garam Apt. 7-502, Dunsan 3-dong, Seo-gu, Daejeon, Republic of Korea

hereby sells, assigns and transfers to

ASSIGNEE:

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 161, Gajeong-dong, Yuseong-gu, Daejeon, 305-700 Republic of Korea

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to, any and all improvements which are disclosed in the Application entitled

TITLE: GPS RECEIVER AND CALCULATION METHOD OF NAVIGATION SOLUTION THEREOF

which application was

| V | (a) executed by the undersigned on | | | |
|---|---|------|--|--|
| | (b) filed as Serial No. | onon | | |
| | (c) being filed as a 371 Completion of International Application PCT/ filed | | | |

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and, in and to all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, substitute, reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have set our hand and seal

March 19. 20/2.

Date

INVENTOR Seong Kyun JEONG

Ak feory

March 28, 20/2

Date

INVENTOR Sang Uk LEE

0699P/1 (U.S. rights)