505832471 12/20/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5879404

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---|----------------|
| ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE | 12/12/2019 |

RECEIVING PARTY DATA

| Name: | IDEAHUB INC. | |
|-----------------|---------------------------------|--|
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| City: | SEOUL | |
| State/Country: | ate/Country: KOREA, REPUBLIC OF | |

PROPERTY NUMBERS Total: 3

| Property Type | Number |
|----------------|---------|
| Patent Number: | 6236965 |
| Patent Number: | 8185393 |
| Patent Number: | 9014199 |

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| ATTORNEY DOCKET NUMBER: | M00128.0004 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | CHARLES Y. PARK |
| SIGNATURE: | /Charles Y. Park/ |
| DATE SIGNED: | 12/20/2019 |

Total Attachments: 3

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PATENT 505832471 REEL: 051344 FRAME: 0672

EXCLUSIVE LICENSE AGREEMENT

WHEREAS, Electronics and Telecommunications Research Institute having a place of

business at 218 Gajeong-ro, Yuseong-gu, Daejeon-si, Republic of Korea (hereinafter,

"Licensor") is the owner of certain United States patents and applications listed in

Attachment A annexed hereto (collectively referred to as the "Licensed Patents"); and

WHEREAS, Ideahub Inc., having a place of business at 7 Heolleungro, Seocho-gu, Seoul,

Republic of Korea (hereinafter, "Licensee") is desirous of obtaining an exclusive license with

all substantial rights under the said Licensed Patents.

Now. Therefore,

For good and valuable consideration, the receipt of which is hereby acknowledged,

Licensor does hereby grant such an exclusive license to Licensee, the Licensed Patents

aforesaid, and any divisionals, continuations, continuations-in-part, reissues, reexaminations,

utility models, foreign counterparts, parents or extensions of any patent or application relating

thereto, and any patent or patent application whose priority is based upon or in common with

such patents and patent applications the same to be held and enjoyed by Licensee for its

own use and enjoyment, and for the use and enjoyment of its successors, assigns or other

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may be granted, reissued or extended as fully and entirely as the same would have been

held and enjoyed by Licensor, if this exclusive license agreement had not been made;

together with all claims for damages by reason of past, current, and future infringement

and/or provisional rights under said Patents, with the right to sue for, and collect the same

for its own use and behalf, and/for the use and behalf of its successors, assigns or other

legal representatives.

For clarification, it is the intention of the Parties for Licensor to grant all substantial rights

under the Licensed Patents (except for ownership of the Licensed Patents) to Licensee such

that Licensee will be an effective assignee of the Licensed Patents and have both

PATENT REEL: 051344 FRAME: 0673 constitutional and prudential standing to maintain an infringement suit in its own name alone. As of the Effective Date, Licensor shall not have any right to: (i) enforce the Licensed Patents against any non-party for its sale, offer for sale, manufacture, importation, leasing, and/or use of products encompassed by one or more claims of the Licensed Patents and (ii) grant or offer to grant licenses or any other rights under the Licensed Patents to any non-party.

In Witness Whereof, Licensor has caused this Patent Assignment to be executed by its duly authorized representative.

Electronics and Telecommunications Research Institute

Name:

Title:

Date:

PATENT REEL: 051344 FRAME: 0674

Attachment A

| No. | Application No. | Filing Date | Patent No. | issue Date | Title |
|-----|--------------------|-------------|------------|------------|---|
| 1 | 09/414,350 | 1999-10-07 | 6,236,965 | 2011-05-22 | METHOD FOR AUTOMATICALLY GENERATING PRONUNCIATION DICTIONARY IN SPEECH RECOGNITION SYSTEM |
| 2 | 12/334,032 | 2008-12-12 | 8,185,393 | 2012-05-22 | HUMAN SPEECH RECOGNITION APPRATUS AND METHOD |
| 3 | 13/752,685 | 2013-01-29 | 9,014,199 | 2015-04-21 | HOME CLOUD GATEWAY APPARATUS FOR MULTI-SERVICE AND METHOD OF PROVIDING SERVICE USING THE SAME |

PATENT REEL: 051344 FRAME: 0675

RECORDED: 12/20/2019