504616424 10/29/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4663139

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| MIYUKI KUSUDA | 10/07/2017 |

RECEIVING PARTY DATA

| Name: | BROTHER KOGYO KABUSHIKI KAISHA | |
|-----------------|--------------------------------|--|
| Street Address: | 15-1, NAESHIRO-CHO, MIZUHO-KU | |
| City: | NAGOYA-SHI, AICHI-KEN | |
| State/Country: | JAPAN | |
| Postal Code: | 467-8561 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | | |
|---------------------|----------|--|--|
| Application Number: | 15444464 | | |

CORRESPONDENCE DATA

Fax Number: (202)824-3001

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (202) 824-3000

bwptopat@bannerwitcoff.com, rblackwell@bannerwitcoff.com Email:

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 1100 13TH ST. NW

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

| ATTORNEY DOCKET NUMBER: | 006884.00037 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | CHUNHSI ANDY MU |
| SIGNATURE: | /Chunhsi Andy Mu/ |
| DATE SIGNED: | 10/29/2017 |

Total Attachments: 1

source=Assignment (Kusuda)#page1.tif

PATENT REEL: 043976 FRAME: 0904

504616424

ASSIGNMENT

| | | (1) | Miyuki KUSUDA | (6) | MINING SECULAR |
|--------------------------|--|-------------------------|--|--|--|
| (1-8) | Insert | (2) | Hirotoshi ISHIZAKI | · (6) | |
| | Name(s) of Inventor(s) | (3) | | | |
| | or assession(a) | (0) | | | 44644 |
| | | (4) | vil Market Middle Annance and a common commo | (8) | |
| | | | | ne dollar (\$1.00) and other good and valuable or gned agree(s) to assign, and hereby does ass | |
| (9) | Insert Name of Assignee | (9) | BROTHER KOGYO KABUSHIKI KAISHA | | |
| (10) | Insert Address of Assignee | (10) | 174 TAY F 174 KIN YOU F 184 KA | | |
| | . | | 15-1 Naeshiro-cho, Mizuho-ku, Nag (hereinafter designated as the Assign | oya-shi, Aichi, 467-8561 Japan ee) the entire right, title and interest for the Unit | ed States of America |
| | | | as defined in 35 U.S.C. §100, in the provisional, non-provisional, divisional | e invention, and in all applications for patent i, continuation, substitute, and relssue applicati amination certificates that may be granted on th | including any and all lon(s), and all Letters |
| (11) | Insert Identification | (11) | HEAD-MOUNTED DISPLAY, IMAGE | DISPLAY UNIT, AND MOUNTING MEMBER | |
| | of invention such as Title, Case | | | A CONTRACTOR OF THE CONTRACTOR | New York and the second |
| | Number, or Foreign Application Number | | (Attorney Docket No. | | |
| | | | for which the undersigned has (have) | executed an application for patent in the United | States of America |
| (12) | Insert Date of Signing of Application | (12) | on 0ct. 7, 2017 | , | PAARAKAI mananananananananananananananananananan |
| (13) | Alternative Identification for | (13) | U.S. application Serial Number | TEGRAL BARKEN PARKANAN HEREKE KANAN MARKEN KANAN MARKAN MARKAN MARKAN MARKEN KANAN MARKAN MARKAN MARKAN MARKAN MARKAN MARKAN MARKAN MARKAN MARKAN MA | |
| | filed applications | | filed | NAME OF THE PROPERTY OF THE PR | |
| reissue a application | applications for the in ons and patents as the 2) The undersigned | ventio Assi agree | n, and any patent(s) issuing thereon, gnees may deem necessary. (s) to execute all papers necessary in | n connection with any application and any co- and also to execute separate assignments in connection with any interference which may be | connection with such |
| Assignes | in every way possible | e in ob | staining evidence and going forward wit | | - |
| | | _ | (s) to execute all papers and documer nal Convention for Protection of Industr | nts and perform any act which may be necesso al Property or similar agreements. | ary in connection with |
| | | | e(s) to perform all affirmative acts whi ad States patent to the Assignee. | ch may be necessary to obtain, maintain or o | onfirm by reissue or |
| | The undersigned | hereb | y authorize(s) and request(s) the Comr | nissioner of Patents to issue any and all Letters of the entire interest, and hereby covenants the | Patents of the United |
| | o convey the entire in | | | have) not executed, and will not execute, any a | |
| : | 6) The undersigned | herei | by grant(s) the firm of Banner & Vi | /itcoff, LTD the power to insert on this ass th the rules of the United States Patent and ¹ | signment any further |
| | on of this document. | suces. | ary or desirable at order to comply wi | in the rules of the officed States Pateril and | Hademank Office for |
| | in witness whereof, | execu | ted by the undersigned on the date(s | s) opposite the undersigned name(s). | |
| Date | 0 ct . 7, | 20 | / ⁷ Name of Inventor | Miyuki KusupA | (SEAL) |
| Date | | | | Miyuki KUSUDA | |
| Date | | | wame of inventor | Hirotoshi ISHIZAKI | (SEAL) |
| Date | hannyananananananananananananananananana | | Name of Inventor | J | (SEAL) |
| Date | | | Name of Inventor | | (SEAL) |
| Date | THE RESERVE OF THE PROPERTY OF | | Name of Inventor | | (SEAL) |
| Date | | | Name of Inventor | | (SEAL) |

PATENT REEL: 043976 FRAME: 0905

RECORDED: 10/29/2017