505955211 03/06/2020

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| TOSHIYUKI HASHIMOTO | 03/03/2020 |
| SHIMPEI SASAOKA | 03/03/2020 |

RECEIVING PARTY DATA

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| City: | ANAN-SHI, TOKUSHIMA | |
| State/Country: | JAPAN | |
| Postal Code: | 774-8601 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16811880 |

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| ATTORNEY DOCKET NUMBER: | NC-US190296 | |
|------------------------------------|-------------------|--|
| NAME OF SUBMITTER: NOMUGI TOMOYORI | | |
| SIGNATURE: | /Nomugi Tomoyori/ | |
| DATE SIGNED: 03/06/2020 | | |

Total Attachments: 1

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PATENT 505955211 REEL: 052042 FRAME: 0539

ASSIGNMENT

| | , | 1111111111 | | |
|--|---|----------------|--|--|
| [Executed in Japan | | OTO | a sitizan of Ianan regiding at | |
| WHEREAS, | Anan-shi, Japan | | , a citizen of Japan residing at | |
| | Shimpei SASAOK | | , a citizen of Japan residing at | |
| | Itano-gun, Japan | | , a citizen of capan residing at | |
| hereinafter referre | | | in new and useful improvements in | |
| | | OURCE DEVIC | | |
| | | andian for He | sited States Letters Dataset | |
| ior which the Assig | gnor(s) have executed an Appli executed concurrently herew | | nted States Letters Patent | |
| (A) | • | Filed | | |
| , AND WHEREAS, | Scriar No. | - neu | | |
| , 11112 ((11111), | NICHIA CO | DRPORATIO | N | |
| having its principal | place of business at | | | |
| | 100, Oka, Kaminaka-cho, An | an-shi, Tok | ushima 774-8601 Japan | |
| (hereinafter referre | ed to as the Assignee), is desire | ous of acquir | ing the entire right, title, and interest | |
| | | | ny Letters Patent or Patents, United | |
| | indicated below, to be obtained | | | |
| | | | the receipt and sufficiency of which is | |
| | | | asfer, unto the Assignee, its successors, | |
| | | | nterest in the United States of America, | |
| and in all foreign co | ountries including, but not lim | ited to, the i | ollowing countries, | |
| | | A1: 4: | 4 -11 -1: -1 -1: -1 -1: -1 | |
| | | | , and all original, divisional, renewal, | |
| | | | cluding the right to sue and recover for he filing of said Application; and the | |
| | | | of Patents and Trademarks to issue all | |
| | | | to said Assignee herein, as assignee of | |
| | _ | - | Assignee, its successors, and assigns, | |
| | e term or terms for which Lett | | | |
| | | | rs, and assigns do hereby agree and | |
| | | | micate to said Assignee, its successors, | |
| legal representative | s and assigns, any facts know | vn to them r | respecting said improvements whenever | |
| requested, and wi | I testify in any interferences | s or other le | egal proceeding in which any of said | |
| | | | l lawful papers, execute and deliver all | |
| | | | tters Patent on said improvements and | |
| | | | atives, successors, or assigns, make all | |
| | | | ist said Assignee, its successors, legal | |
| | | | ent protection for said improvements in | |
| | ountries, the expenses incide | nt to said ap | plications to be borne and paid by said | |
| assignee. | | - | | |
| The undersigned he | ereby grants the firm of Globs | al IP Counse | elors, LLP or the firm of Global IP the | |
| | | | which may be necessary or desirable to | |
| | | | e for recordation of this Assignment. | |
| oompij willi lilo i di | | | . 101 100014411011 01 4110 110018111101111 | |
| IN TESTIMONY WHEREOF, the undersigned Assignor(s) have affixed their signatures. | | | | |
| | , | , | | |
| 5.1 | M f | | T1 1- 10 1- + | |
| This 3rd | _day of <u>Narch</u> , 2020 | Signature_ | Joshiyuki Kashimolo | |
| | | | Toshiyuki HASHIMOTO | |
| . 3 .1 | | ~. | Toshiyuki Kashimoto Toshiyuki HASHIMOTO Shimpel SASAOKA | |
| This | day of <u></u> | Signature | shimpel dassora | |
| | | | Shimpel SASAOKA | |

PATENT REEL: 052042 FRAME: 0540

RECORDED: 03/06/2020