50466642 12/01/2017

PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| SHIGERU MICHIWAKI | 03/15/2017 |

RECEIVING PARTY DATA

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| State/Country: | JAPAN |
| Postal Code: | 252-1104 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
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| Application Number: | 15578484 |

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| NAME OF SUBMITTER: | GERALD B. HALT, JR. |
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| DATE SIGNED: | 12/01/2017 |

Total Attachments: 2

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PATENT 50466642 REEL: 044271 FRAME: 0743

2415-000 /CWP27CUS MMZE 2007 NOVI US

Attorney Docket No. NAGMEC-PT001 弁護士事件番号

ASSIGNMENT 譲渡証書

| (1 - 40) 28 HF * 4 | I | (1-10) Name(s) of | |
|---|---|---|---|
| (1~10)発明者名 | 0 | Inventor(s) | (1) Shigeru MICHIWAKI |
| | (2) | | (2) |
| | (3) | | (3) |
| | (4) | | (4) |
| | (5) | | (5) |
| | (8) | : | (6) |
| • | (7) | | (7) |
| | (8) | | (8) |
| | (9) | 20 | (9) |
| | (10) | | (10) |
| | 以下の署名者各々に対して支払われる値 値ある対価に基づき、下記署名者は被譲 遊人。 | | in consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to |
| (11) 被譲渡人名 | | (11) Name(s) of Assignee(s) | (11) MEIKO ELECTRONICS CO., LTD. |
| (12,13)被譲渡人本店所 在地·住所 | (上記を、以下被譲渡人) へ、下記署名者が米国に於いて特許出願 した | (12) State of Incorporation of Assignee(s) (13) Address(es) of Assignee(s) | (12) (13) 5-14-15, Ogami, Ayase-shi, Kanagawa 252-1104 Japan and (hereinafter designated as the Assignee(s)) the entire worldwide right, title and interest in the invention known as |
| (14)発明の名称、 件名番号、又は外国に於 | | (14) Identification of invention, such | (14) Three-Dimensional Wiring Board |
| ける特許出願番号等の発 | | as Title, Case Number or Foreign | Production Method, Three-Dimensional |
| 明を識別するもの | で識別される特許出額として公知の発明、 及びそれに対応する若しくはそれに基づい た外国での全ての特許出額として公知の 発明の世界各国に亙っての権利、所有権 | Application Number | Wiring Board, and Substrate for Three-Dimensional Wiring Board |
| | 及び利益を譲渡することに同意し、ここに譲 渡する。 | | which was filed as U.S. Patent Application Noon |
| | | | for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon |
| 発行、分割出願及び継続出 とに問意する。さらに下記署 | 8明に関し米国及び外国に於ける原出願、再 願に必要な全ての書類手続きを遂行するこ 6名者は、被譲渡人が必要もしくは便宜と若 に関し別個の譲渡手続きを行うことに同意す | connection with any States and foreign a also to execute sepa | agree(s) to execute all papers necessary in original, reissue, divisional and continuing United applications for the above identified invention and arate assignments in connection with such Assignee may deem necessary or expedient. |
| 2) 下記署名者は、当該出願又はその継続出願又は分割出願に関し提起され得る抵触器査に関連して必要な全ての書類手続きを遂行することに同意する。さらにかかる抵触審査が発生した際には、証拠の収案等事態の進展に関し被譲渡人に対しあらゆる協力をすることに同意する。 | | The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. | |

| 3) 下記署名者は、7切条約条項又は類似の合意の要求又は規定に関 し必要な全ての書類手続き、及び必要と看做される行為全てを遂行する ことに同意する。 | | The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. | | |
|--|-----|---|-------------------------|--|
| 4) 下記署名者は、被譲渡人が有効な米国特許の付与の獲得にあたり 必要と看做されるあらゆる積極的行動をとることに同意する。 | | 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee. | | |
| 5) 下記署名者は、ここに、特許庁長官に対し、被譲渡人を全利益の被譲渡人と看做し、当該出願又はその分割及び継続出願の米国特許証を被譲渡人に発行する権限を与え、かかる発行を要請する。下記署名者はさらに、被譲渡人はここに譲渡される全利益の譲渡を受ける権利を有すること、及び当該内容に違反する内容の契約は締結していないことを誓約する。 | | 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest here in assigned and that he has (they have) not executed any agreement in conflict herewith. | | |
| 6) 下記署名者は、これにより本書類の記録のために必要であるか、または望ましい識別を促進するために本譲渡証に挿入する権限を顧客番号:03624 で表される者に与えます。 | | The undersigned hereby grant(s) to the persons associated with Customer Number: 03624 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document. | | |
| 発明者1 | | Inventor 1: Shigeru MICHIWAKI | | |
| 署名 | 日付 | Signature Shigeret Michiwaks | Date Masself 15, 201/ | |
| | | * | | |
| 発明者2 | | Inventor 2: | | |
| 署名 | B44 | Signature | Date | |
| | | Describer 2: | | |
| 発明者3 | | Inventor 3: | l n-r- | |
| · 署名 | 日付 | Signature | Date | |
| | | | | |
| 発明者4 | | Inventor 4 | | |
| 署名 | 日付 | Signature | Date | |
| | | | | |
| 発明者5 | | Inventor 5: | | |
| 署名 | 日付 | Signature | Date | |
| | | | | |
| 発明者6 | | Inventor 6: | | |
| 署名 | 目付 | Signature | Date | |
| | | | | |
| 発明者7 | | Inventor 7. | | |
| 8 8 | 84 | Signature | Date | |

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RECORDED: 12/01/2017