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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Masayoshi SUGINO | 07/16/2012 |
| Kazuki FUKATSU | 07/19/2012 |
| Yoshitaka TOMITA | 07/19/2012 |
| Masamichi SHIBATA | 07/20/2012 |
| Yuya ABE | 07/23/2012 |

RECEIVING PARTY DATA

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| State/Country: | JAPAN |
| Postal Code: | 445-0012 |

| Name: | DENSO CORPORATION |
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| City: | Kariya-city, Aichi-pref. |
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| Postal Code: | 448-8661 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13585224 |

CORRESPONDENCE DATA

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via US Mail.

PATENT

REEL: 028783 FRAME: 0764

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ATTORNEY DOCKET NUMBER: MNL-2018-2978

NAME OF SUBMITTER: Michelle N. Lester

Total Attachments: 2

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PATENT REEL: 028783 FRAME: 0765

| Case No. | : |
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| S14348 | 1-US-KK-as |

ASSIGNMENT OF U.S. PATENT APPLICATION

| (Inventors) | Masayoshi Sugino | | | | |
|-------------|---|--|--|--|--|
| | Kazuki Fukatsu | | | | |
| | Yoshitaka Tomita | | | | |
| | Masamichi Shibata | | | | |
| | Yuya Abe | | | | |
| | In consideration of the sum of one dollar (\$1.00) and other good and valuable | | | | |
| | considerations paid to each of the undersig | ned, the undersigned agree(s) to assign, and | | | |
| | hereby does assign, transfer and set over t | 0 | | | |
| (Assignee) | NIPPON SOKEN, INC. | a corporation of Japan | | | |
| (Address) | 14, Iwaya, Shimohasumi-cho, Nishio-city, Aichi-pref., 445-0012 Japan | | | | |
| (Assignee) | DENSO CORPORATION | a corporation of Japan | | | |
| (Address) | 1-1, Showa-cho, Kariya-city, Aichi-pref., | 448-8661 Japan | | | |
| | (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all | | | | |
| | | | | | |
| | applications for patent and any Letters Patent which may be granted therefore, known as | | | | |
| (Title) | HIGH FREQUENCY PLASMA GENERATION SYSTEM AND HIGH FREQUENCY | | | | |
| | PLASMA IGNITION DEVICE USING THE SAME | | | | |
| | for which the undersigned has (have) executed on even date herewith an application for | | | | |
| | patent in the United States of America or, if not on even date, then has executed on or has already filed U.S. application Serial No, on | | | | |
| | | | | | |
| | | | | | |
| | The undersigned acknowledges an obligation of assignment of this invention to said | | | | |
| | assignee at the time the invention was made. | | | | |

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to 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.

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.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent 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 herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date July.19.2012

Date July.19.2012

Date July.19.2012 Signature of inventor Signature of inventor

Signature of inventor

Yoshitaka Tomita

264637

| Case No. : |
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| S143481-US-KK-as |

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|---------------|-----------------------------|---------------|-------------------|---------|--|
| Date | July. 20, 2012 Signature of | inventor | Masamichi | Shibata | |
| | V | | Masamichi Shibata | a . | |
| Date _ | July. 23. 2012 Signature of | inventor | Juja | | |
| | | | Yuya Abe | | |
| | 0 / 1/ >0/2 | | Tsutae | 216 | |
| Date | July 16, 2012 | Witnessed by: | Trutae | INCANO | |
| Date | July 19, 2012 | | Ssutae | | |
| | | | | • | |
| Date | July 19, 2012 | Witnessed by: | Ssutae | Hirano | |
| | | | | | |
| Date | July. 20. 20/2 | Witnessed by: | Kanechiye | Terada. | |
| | | | | | |

July. 23. 2012 Witnessed by: Kanechipe