

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4986281

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTOR NAME: SHUNYA KUMANO previously recorded on Reel 036510 Frame 0029. Assignor(s) hereby confirms the INVENTOR NAME: SYUNYA KUMANO.
CONVEYING PARTY DATA	
Name	Execution Date
SYUNYA KUMANO	05/21/2018
NAOKI KAWASAKI	07/15/2015
SHUNSUKE SUZUKI	07/20/2015
TETSUYA TAKAFUJI	07/20/2015
KAZUMA HASHIMOTO	07/21/2015
RECEIVING PARTY DATA	
Name:	NIPPON SOKEN, INC.
Street Address:	14 IWAYA
Internal Address:	SHIMOHASUMI-CHO
City:	NISHIO-CITY, AICHI-PREF.
State/Country:	JAPAN
Postal Code:	445-0012
Name:	DENSO CORPORATION
Street Address:	1-1, SHOWA-CHO
Internal Address:	KARIYA-CITY
City:	AICHI-PREF.
State/Country:	JAPAN
Postal Code:	448-8661
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14655698
CORRESPONDENCE DATA	
Fax Number:	(949)760-9502
<i>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.</i>	
Phone:	(949)760-0404
Email:	efiling@knobbe.com
Correspondent Name:	KNOBBE, MARTENS, OLSON & BEAR, LLP

Address Line 1:	2040 MAIN STREET
Address Line 2:	14TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	PDIDEN.012APC
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NAME OF SUBMITTER:	ANDREW D. LEE
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SIGNATURE:	/Andrew D. Lee/
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DATE SIGNED:	05/31/2018
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Total Attachments: 9

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3515999

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SYUNYA KUMANO	07/29/2015
NAOKI KAWASAKI	07/15/2015
SHUNSUKE SUZUKI	07/20/2015
TETSUYA TAKAFUJI	07/20/2015
KAZUMA HASHIMOTO	07/21/2015
RECEIVING PARTY DATA	
Name:	NIPPON SOKEN, INC.
Street Address:	14 IWAYA, SHIMOHASUMI-CHO
City:	NISHIO-CITY, AICHI-PREF.
State/Country:	JAPAN
Postal Code:	445-0012
Name:	DENSO CORPORATION
Street Address:	1-1 SHOWA-CHO
City:	KARIYA-CITY, AICHI-PREF.
State/Country:	JAPAN
Postal Code:	448-8661
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14655698
CORRESPONDENCE DATA	
Fax Number:	(949)760-9502
<i>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.</i>	
Phone:	9497600404
Email:	efiling@knobbe.com
Correspondent Name:	KNOBBE, MARTENS, OLSON & BEAR LLP
Address Line 1:	2040 MAIN STREET, 14TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	PDIDEN.012APC

Knobbe Martens

Client Ref:

譲渡証 ASSIGNMENT

本件署名者は、十分な考慮及び理解の下、譲受人としての次の会社及びその相続人、譲渡先、その他の法的代理人に、米国及びその属地において、下記の発明に関する全権利並びに所有権を譲渡することに合意し、譲渡、売却、移譲します。
For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s) to assign, and hereby assign(s), sell(s) and transfer(s) to

譲受者名:
Assignee(s): NIPPON SOKEN, INC. DENSO CORPORATION

住所:
Address(es): 14 Iwaya, Shimohasumi-cho, Nishio-city, Aichi-pref. 445-0012 Japan 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

as Assignee(s), and corresponding successors, assigns or other legal representatives, the entire right, title and interest, in the United States of America, and its territories, dependencies and possessions, to certain inventions known as

発明の名称:
Title of
Invention: BOUNDARY LINE RECOGNITION APPARATUS AND BRANCH ROAD DETERMINATION APPARATUS

上記発明についての米国登録特許証の出願は、
described in an application for Letters Patent of the United States executed

- ☐ 本譲渡証と同日、もしくは
on even date herewith
- ☒ 米国出願番号_____として_____に提出されたものです。
as U.S. Application Serial No. 14/655,698 filed on June 25, 2015

また、本件署名者は、本件出願の継続出願や分割出願、更には、再発行特許の登録特許証に關しても同様に譲渡いたします。本件署名者は米国特許商標局長官が上記譲受人に登録特許証を発行することを許可、希望します。

本件署名者は、譲渡に応じて、すべての書面に署名すること、管轄すること、更に、本件発明の確保・維持・権利行使のために、また、譲受人の権利確保のために必要となるすべての手続を執行することに合意します。

本件署名者は、本件出願に關連して必要となった際に、上記譲受人が本件発明に關するすべての国際条約及び協定に基づく優先権を行使・要求することについて、それを許可し、その権限を上記譲受人に与えます。

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as well as any and all continuations, divisions, and reissues of said application and all Letters Patents that may be granted therefor. The undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent or Letters Patents to said Assignee(s).

The undersigned agree(s), when requested, to sign all papers, take all rightful oaths, and perform all acts which may be necessary for securing, maintaining and enforcing patents for said inventions and for vesting title thereto in said Assignee(s).

The undersigned authorize(s) and empower(s) said Assignee(s) to invoke and claim the benefit of the right of priority provided under any and all international conventions and treaties in respect of said inventions, as may be necessary in connection with said application. The undersigned also authorize(s) Knobbe Martens to insert hereon any further identification that may be necessary or desirable for recordation of this document.

署名: S.K.
Signature: may 21, 2018 Syunya Kumano
第 1 発明者:
First Inventor: Syunya Kumano

署名日:
Date: May 21, 2018
S.K. may 21, 2018

署名:
Signature: Naoki Kawasaki
第 2 発明者:
Second Inventor: Naoki Kawasaki

署名日:
Date: July 15, 2015

署名:
Signature: Shunsuke Suzuki
第 3 発明者:
Third Inventor: Shunsuke Suzuki

署名日:
Date: July 20, 2015

☒ その他発明者はここに付随する添付書面上にリストされます。
Additional inventor(s) listed on the attached sheet which is incorporated herein by reference.

注記: 上記日本語抄訳は、本書面の理解の助けとして付記しております。正式な解釈は英文に基づき行われます。

Note: The above Japanese text is for the purpose of helping the understanding of the reader. The interpretation of the Assignment should be based on the English text.

Client Ref:

Knobbe Martens

譲渡証(続き)
ASSIGNMENT (Cont.)

署名:
Signature:
第 4 発明者:
Fourth Inventor:

Tetsuya Takafuji
Tetsuya Takafuji

署名日:
Date:

July 20, 2015

署名:
Signature:
第 5 発明者:
Fifth Inventor:

Kazuma Hashimoto
Kazuma Hashimoto

署名日:
Date:

July 21, 2015

譲渡証 ASSIGNMENT

本件署名者は、十分な考慮及び理解の下、譲受人としての次の会社及びその相続人、譲渡先、その他の法的代理人に、米国及びその属地において、下記の発明に関する全権利並びに所有権を譲渡することに合意し、譲渡、売却、移譲します。

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譲受者名:
Assignee(s): NIPPON SOKEN, INC. DENSO CORPORATION

住所:
Address(es): 14 Iwaya, Shimohasumi-cho, Nishio-city, 1-1, Showa-cho, Kariya-city, Aichi-pref. 445-0012 Japan Aichi-pref., 448-8861 Japan

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発明の名称:
Title of
Invention: BOUNDARY LINE RECOGNITION APPARATUS AND BRANCH ROAD DETERMINATION APPARATUS

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- ☐ 本譲渡証と同日、もしくは
on even date herewith
- ☒ 米国出願番号 _____ として _____ に提出されたものです。
as U.S. Application Serial No. 14/655,698 filed on June 25, 2015

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The undersigned also authorize(s) Knobbe Martens to insert hereon any further identification that may be necessary or desirable for recordation of this document.

署名:
Signature: Shunya Kumano
第 1 発明者:
First Inventor: Syunya Kumano

署名日:
Date: July 29, 2015

署名:
Signature: Naoki Kawasaki
第 2 発明者:
Second Inventor: Naoki Kawasaki

署名日:
Date: July 15, 2015

署名:
Signature: Shunsuke Suzuki
第 3 発明者:
Third Inventor: Shunsuke Suzuki

署名日:
Date: July 20, 2015

- ☒ その他発明者はここに付随する添付書面上にリストされます。
Additional inventor(s) listed on the attached sheet which is incorporated herein by reference.

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譲渡証(続き)
ASSIGNMENT (Cont.)

署名:

Signature:

第 4 発明者:

Fourth Inventor:

Tetsuya Takafuji

Tetsuya Takafuji

署名日:

Date:

July 20, 2015

署名:

Signature:

第 5 発明者:

Fifth Inventor:

Kazuma Hashimoto

Kazuma Hashimoto

署名日:

Date:

July 21, 2015