

## PATENT ASSIGNMENT COVER SHEET

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|---|---|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                              |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                                  |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>                       |
| TOMOYUKI ISHIMINE   | 06/18/2021                                  |
| SHIGEKI EGASHIRA  | 06/17/2021                                  |
| MUNEHIRO NODA   | 06/17/2021                                  |
| TAKAYUKI TASHIRO  | 06/24/2021                                  |
| KAZUNARI SHIMAUCHI  | 06/24/2021                                  |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | SUMITOMO ELECTRIC INDUSTRIES, LTD.          |
| <b>Street Address:</b>  | 5-33, KITAHAMA 4-CHOME, CHUO-KU, OSAKA-SHI, |
| <b>City:</b>  | OSAKA                                       |
| <b>State/Country:</b>   | JAPAN                                       |
| <b>Postal Code:</b>   | 541-0041                                    |
| <b>Name:</b>  | SUMITOMO ELECTRIC SINTERED ALLOY, LTD.      |
| <b>Street Address:</b>  | 2901, NARIWA, NARIWA-CHO, TAKAHASHI-SHI,    |
| <b>City:</b>  | OKAYAMA                                     |
| <b>State/Country:</b>   | JAPAN                                       |
| <b>Postal Code:</b>   | 716-0192                                    |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>                               |
| Application Number:   | 17594124                                    |
| <b>CORRESPONDENCE DATA</b>  |   |
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| <b>ATTORNEY DOCKET NUMBER:</b>   | 21SEI-017  |
| <b>NAME OF SUBMITTER:</b>  | KYOKO MACKILLOP  |
| <b>SIGNATURE:</b>  | /Kyoko MacKillop/  |
| <b>DATE SIGNED:</b>  | 10/04/2021   |
|  | This document serves as an Oath/Declaration (37 CFR 1.63). |
| <b>Total Attachments: 11</b><br>source=21SEI-017CombinedDeclaration_Assignment#page1.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page2.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page3.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page4.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page5.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page6.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page7.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page8.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page9.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page10.tif<br>source=21SEI-017CombinedDeclaration_Assignment#page11.tif |  |

**VERIFICATION OF TRANSLATION**

I, Tadashige Itoh, a Patent Attorney of Tokyo, Japan having my office at 16th Floor, Marunouchi MY PLAZA (Meiji Yasuda Seimei Building), 1-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-0005 Japan do solemnly and sincerely declare that the English-language translation(s) in the attached combined declaration and assignment(s) is correct, true and faithful translation(s) to the best of my knowledge and belief.

Dated   October 4, 2021



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Tadashige Itoh

Patent Attorney  
ITOH International Patent Office  
16th Floor, Marunouchi MY  
PLAZA (Meiji Yasuda Seimei  
Building), 1-1, Marunouchi  
2-chome, Chiyoda-ku, Tokyo  
100-0005 Japan

**COMBINED DECLARATION AND ASSIGNMENT**

**特許出願宣言書及び譲渡証**

本譲渡証は、

(1) \_\_\_\_\_、(2) \_\_\_\_\_、  
(3) \_\_\_\_\_、(4) \_\_\_\_\_、及び  
(5) \_\_\_\_\_ (以下、譲渡人) によるものであり、

譲渡人は、既に出願された、又は、本譲渡証と同時に  
署名される米国特許証のための特許出願に記載された  
以下の発明の名称を有する発明をなし：

\_\_\_\_\_  
(出願番号： \_\_\_\_\_、  
出願日： \_\_\_\_\_) 、

一方、(1) \_\_\_\_\_、及び(2) \_\_\_\_\_ に営業  
所を有する、  
(1) \_\_\_\_\_、及び(2) \_\_\_\_\_ (以下、譲受  
人) は、上記発明及び米国特許証のための上記出願、  
及びそこから得られる全ての米国特許証に関する全ての  
の権利、権原、及び利益の取得を希望し、

そのためここに、受領を確認した 5 ドル及び有効にして  
価値ある他の対価と引き換えに、譲渡人は、譲受人  
ならびにその承継人、法定代理人及び（更なる）譲受  
人に対して、上記発明及び特許証のための上記出願、  
及び上記特許出願の全ての直接的及び間接的な分割出  
願、継続出願、継続審査及び一部継続出願、それらに  
基づく合衆国及びにあらゆる全ての外国において付与  
される全ての特許証、当該特許証の再発行、再審査及  
び延長についての全ての権利、権原及び利益と、工業  
所有権保護に関する国際条約上の全ての権利とを、本  
譲渡が実施されなかった場合に譲渡人が保持・享受し  
たであろう場合と完全に同様に、特許証の存続期間及  
び／又は延長期間が満了するまでの間、譲受人自らの  
使用及び利益のために、またその承継人、法定代理人

**THIS ASSIGNMENT**, by (1) Tomoyuki  
ISHIMINE, (2) Shigeki EGASHIRA, (3) Munehiro  
NODA, (4) Takayuki TASHIRO, and (5) Kazunari  
SHIMAUCHI (hereinafter referred to as  
“Assignors”),;

**WHEREAS**, Assignors have made an invention  
entitled:

**METHOD OF MAKING SINTERED BODY**,  
**AND POWDER COMPACT**,

(Application No. \_\_\_\_\_,  
filed \_\_\_\_\_)

set forth in a patent application for Letters Patent of  
the United States, either previously filed or  
executed concurrently herewith; and

**WHEREAS**, (1) SUMITOMO ELECTRIC  
INDUSTRIES, LTD., and (2) SUMITOMO  
ELECTRIC SINTERED ALLOY, LTD.  
(hereinafter referred to as “Assignees”), having  
offices at (1) 5-33, Kitahama 4-chome, Chuo-ku,  
Osaka-shi, Osaka 541-0041 Japan, and (2) 2901,  
Nariwa, Nariwa-cho, Takahashi-shi, Okayama 716-  
0192 Japan, respectively, are desirous of acquiring  
the entire right, title and interest in and to said  
invention and said application for Letters Patent of  
the United States, and in and to any Letters Patent  
of the United States to be obtained therefor and  
thereon;

**NOW, THEREFORE**, in consideration of Five  
Dollars (\$5.00) and other good and sufficient  
consideration, the receipt of which is hereby  
acknowledged, Assignors have sold, assigned,  
transferred and set over, and by these presents do  
sell, assign, transfer and set over, unto Assignees,  
their successors, legal representatives and assigns,  
the entire right, title and interest in and to the  
above-mentioned invention and application for  
Letters Patent, and in and to any and all direct and  
indirect divisions, continuations, continued  
prosecutions, and continuations-in-part of said  
application, and any and all Letters Patent in the  
United States and all foreign countries which may

及び（更なる）譲受人の使用及び利益のために譲受人により保持・享受されるように、売却、譲渡、移転、設定しており、本書面によりこれを証する。

更に、同一の対価に対し、本書面の署名及び交付にあたり、譲渡人は、法律に基づき譲受人に対して発生する及び／又は既に譲受人に移転された全ての権利、権原及び利益を除き、譲渡人は上記発明及び特許証のための上記出願についての全ての権利、権原及び利益の唯一の法的所有者であり、それは妨げられるものではなく、更に、譲渡人は当該発明及び特許証のための出願を本譲渡証に記載された方法により売却及び移転することができる有効にして完全な権利及び法的な権威を有することを、譲受人及びにその承継人、法定代理人及び（更なる）譲受人に対して表明し、保証する。

更に、同一の対価に対し、譲渡人は、譲受人の代理人又はその承継人、法定代理人及び（更なる）譲受人の代理人が求めるときは、譲受人ならびにその承継人、法定代理人及び（更なる）譲受人に対して費用を請求することなく、上記発明に関する全ての特許証及び特許証のための出願の獲得、維持、行使及び防衛のために必要な全ての書類に署名し、全ての法的な誓約をし、全ての必要な行為を実行すること、限定されない一例としてインターフェアレンス手続きを含む上記発明、又は特許証のための上記特許出願に関連する全ての手続、又は上記発明についての全ての国の全ての特許証又は上記発明に関する特許証のための出願に関する全ての手続は合法で望ましいこと、特許証のための全ての出願の全ての分割出願、継続出願、継続審査又は一部継続出願、又は全ての特許証の全ての再発行出願、再審査又は延長は合法で望ましいことを、譲渡人は譲受人ならびにその承継人、法定代理人及び（更なる）譲受人に対して約束及び同意する。

be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and Assignment not been made;

**AND** for the same consideration, Assignors hereby represent and warrant to Assignees, their successors,<sup>5</sup> legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles, and or interests that have arisen to Assignees under the law or that have already been transferred to Assignees, Assignors are the sole and lawful owners of the entire right, title and interest in and to said invention and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignees, their successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said invention, without charge to Assignees, their successors, legal representatives, and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns shall advise; that any proceeding in connection with said invention, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said invention in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation, continued prosecutions, or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable;

譲渡人はここに、譲受人並びにその承継人、法定代理人及び（更なる）譲受人による単独での使用及び利益のため、上記発明及び上記発行される特許証の譲受人として上記米国特許証を譲受人宛に発行することを、米国特許商標庁長官に要請する。

譲渡人は本書類を米国特許商標庁へ登録するための規則に従うために必要な又は望ましい更なる特定のための情報を本譲渡証に挿入する権限を以下のものに与える：カスタマーナンバー77464に関連づけられている全ての有資格者。

譲渡人は、本発明がなされた時点において当該発明を譲受人へ譲渡する義務があったことを認める。

私／我々は以上の証として以下の適切な欄に署名を行う。

**AND** Assignors hereby request that the Director of the United States Patent and Trademark Office issue said Letters Patent of the United States to Assignees, as Assignees of said invention and the said Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns;

**AND** Assignors hereby grant the following individuals 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: All practitioners associated with the Customer Number 77464.

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignees at the time the invention was made.

IN TESTIMONY WHEREOF, I/WE have set our hand(s) in the appropriate space below.

宣言書

下記発明者である私は、以下を宣言します。

本宣言は、以下を対象とする：

- ☐ 添付の出願、あるいは  
☐ 米国出願番号又は PCT 国際出願番号

\_\_\_\_\_ として、  
\_\_\_\_\_ の日に提出された出願。

上記の出願は私自身、あるいは私が権限を授与した  
ものによって行われたものです。

私は本出願に記載の発明に関する原初の発明者、あ  
るいは原初の共同発明者です。

私は、特許請求範囲を含む上記明細書を検討し、且  
つ内容を理解していることをここに表明します。

私は、連邦規則法典第 37 編規則 1.56 に定義されてい  
る、特許性について重要な情報を開示する義務があ  
ることを認めます。

本宣誓書において故意に虚偽の申し立てを行った場  
合は 18 U.S.C. 1001 により、罰金あるいは最高五(5)年  
の禁固刑、あるいはその両方による罰則の対象とな  
ることを承知しています。

注：本書面に必要な情報やサインは英語右欄のみに記  
入。 日本語左欄は英語原本理解のための参考情報。

Date (日付):

Legal Name of Inventor (発明者氏名) :

Signature (発明者署名) :

Date (日付):

Legal Name of Inventor (発明者氏名) :

Signature (発明者署名) :

Declaration

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or  
☒ United States application or PCT international  
application number

\_\_\_\_\_ filed on PCT/JP2020/016336  
April 13, 2020

The above-identified application was made or  
authorized to be made by me.

I believe that I am the original inventor or an original  
joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the  
contents of the above identified specification including  
the claims.

I acknowledge the duty to disclose information which  
is material to patentability as defined in Title 37, Code  
of Federal Regulations, Section 1.56.

I hereby acknowledge that any willful false statement  
made in this declaration is punishable under 18 U.S.C.  
1001 by fine or imprisonment of not more than five (5)  
years, or both.

Note: Insert the necessary information and  
signature for this form in the English  
column only. The Japanese column is  
reference information to aid understanding  
of the English.

Date (日付): \_\_\_\_\_  
Legal Name of Inventor (発明者氏名): Munehiro NODA  
Signature (発明者署名): \_\_\_\_\_

Date (日付): June 24, 2021  
Legal Name of Inventor (発明者氏名): Takayuki TASHIRO  
Signature (発明者署名): Takayuki Tashiro

Date (日付): June 24, 2021  
Legal Name of Inventor (発明者氏名): Kazunari SHIMAUCHI  
Signature (発明者署名): kazunari shimauchi



**COMBINED DECLARATION AND ASSIGNMENT**

**特許出願宣言書及び譲渡証**

本譲渡証は、

(1) \_\_\_\_\_、(2) \_\_\_\_\_、  
(3) \_\_\_\_\_、(4) \_\_\_\_\_、及び  
(5) \_\_\_\_\_ (以下、譲渡人) によるものであり、

譲渡人は、既に出願された、又は、本譲渡証と同時に署名される米国特許証のための特許出願に記載された以下の発明の名称を有する発明をなし：

\_\_\_\_\_  
(出願番号： \_\_\_\_\_、  
出願日： \_\_\_\_\_) 、

一方、(1) \_\_\_\_\_、及び(2) \_\_\_\_\_に営業所を有する、  
(1) \_\_\_\_\_、及び(2) \_\_\_\_\_ (以下、譲受人) は、上記発明及び米国特許証のための上記出願、及びそこから得られる全ての米国特許証に関する全ての権利、権原、及び利益の取得を希望し、

そのためここに、受領を確認した5ドル及び有効にして価値ある他の対価と引き換えに、譲渡人は、譲受人ならびにその承継人、法定代理人及び（更なる）譲受人に対して、上記発明及び特許証のための上記出願、及び上記特許出願の全ての直接的及び間接的な分割出願、継続出願、継続審査及び一部継続出願、それらに基づく合衆国及びにあらゆる全ての外国において付与される全ての特許証、当該特許証の再発行、再審査及び延長についての全ての権利、権原及び利益と、工業所有権保護に関する国際条約上の全ての権利とを、本譲渡が実施されなかった場合に譲渡人が保持・享受したであろう場合と完全に同様に、特許証の存続期間及び／又は延長期間が満了するまでの間、譲受人自らの使用及び利益のために、またその承継人、法定代理人

**THIS ASSIGNMENT**, by (1) Tomoyuki ISHIMINE, (2) Shigeki EGASHIRA, (3) Munehiro NODA, (4) Takayuki TASHIRO, and (5) Kazunari SHIMAUCHI (hereinafter referred to as "Assignors"),;

**WHEREAS**, Assignors have made an invention entitled:

**METHOD OF MAKING SINTERED BODY, AND POWDER COMPACT,**

(Application No. \_\_\_\_\_,  
filed \_\_\_\_\_)

set forth in a patent application for Letters Patent of the United States, either previously filed or executed concurrently herewith; and

**WHEREAS**, (1) SUMITOMO ELECTRIC INDUSTRIES, LTD., and (2) SUMITOMO ELECTRIC SINTERED ALLOY, LTD. (hereinafter referred to as "Assignees"), having offices at (1) 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan, and (2) 2901, Nariwa, Nariwa-cho, Takahashi-shi, Okayama 716-0192 Japan, respectively, are desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon;

**NOW, THEREFORE**, in consideration of Five Dollars (\$5.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations, continued prosecutions, and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may

及び（更なる）譲受人の使用及び利益のために譲受人により保持・享受されるように、売却、譲渡、移転、設定しており、本書面によりこれを証する。

更に、同一の対価に対し、本書面の署名及び交付にあたり、譲渡人は、法律に基づき譲受人に対して発生する及び／又は既に譲受人に移転された全ての権利、権原及び利益を除き、譲渡人は上記発明及び特許証のための上記出願についての全ての権利、権原及び利益の唯一の法的所有者であり、それは妨げられるものではなく、更に、譲渡人は当該発明及び特許証のための出願を本譲渡証に記載された方法により売却及び移転することができる有効にして完全な権利及び法的な権威を有することを、譲受人及びにその承継人、法定代理人及び（更なる）譲受人に対して表明し、保証する。

更に、同一の対価に対し、譲渡人は、譲受人の代理人又はその承継人、法定代理人及び（更なる）譲受人の代理人が求めるときは、譲受人ならびにその承継人、法定代理人及び（更なる）譲受人に対して費用を請求することなく、上記発明に関する全ての特許証及び特許証のための出願の獲得、維持、行使及び防衛のために必要な全ての書類に署名し、全ての法的な誓約をし、全ての必要な行為を実行すること、限定されない一例としてインターフェアレンス手続きを含む上記発明、又は特許証のための上記特許出願に関連する全ての手続、又は上記発明についての全ての国の全ての特許証又は上記発明に関する特許証のための出願に関する全ての手続は合法で望ましいこと、特許証のための全ての出願の全ての分割出願、継続出願、継続審査又は一部継続出願、又は全ての特許証の全ての再発行出願、再審査又は延長は合法で望ましいことを、譲渡人は譲受人ならびにその承継人、法定代理人及び（更なる）譲受人に対して約束及び同意する。

be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and Assignment not been made;

**AND** for the same consideration, Assignors hereby represent and warrant to Assignees, their successors,<sup>5</sup> legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles, and or interests that have arisen to Assignees under the law or that have already been transferred to Assignees, Assignors are the sole and lawful owners of the entire right, title and interest in and to said invention and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignees, their successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said invention, without charge to Assignees, their successors, legal representatives, and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns shall advise; that any proceeding in connection with said invention, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said invention in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation, continued prosecutions, or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable;

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私／我々は以上の証として以下の適切な欄に署名を行う。

**AND** Assignors hereby request that the Director of the United States Patent and Trademark Office issue said Letters Patent of the United States to Assignees, as Assignees of said invention and the said Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns;

**AND** Assignors hereby grant the following individuals 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: All practitioners associated with the Customer Number 77464.

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignees at the time the invention was made.

IN TESTIMONY WHEREOF, I/WE have set our hand(s) in the appropriate space below.

### 宣言書

下記発明者である私は、以下を宣言します。

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- ☐ 添付の出願、あるいは  
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私は本出願に記載の発明に関する原初の発明者、あ  
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私は、特許請求範囲を含む上記明細書を検討し、且  
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Legal Name of Inventor (発明者氏名) :

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### Declaration

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or  
☒ United States application or PCT international  
application number

\_\_\_\_\_  
\_\_\_\_\_  
PCT/JP2020/016336  
filed on April 13, 2020 .

The above-identified application was made or  
authorized to be made by me.

I believe that I am the original inventor or an original  
joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the  
contents of the above identified specification including  
the claims.

I acknowledge the duty to disclose information which  
is material to patentability as defined in Title 37, Code  
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column only. The Japanese column is  
reference information to aid understanding  
of the English.

Date (日付):

June 17, 2021

Legal Name of Inventor (発明者氏名):

Munehiro NODA

Signature (発明者署名):

Munehiro Noda

Date (日付):

Legal Name of Inventor (発明者氏名):

Takayuki TASHIRO

Signature (発明者署名):

Date (日付):

Legal Name of Inventor (発明者氏名):

Kazunari SHIMAUCHI

Signature (発明者署名):