505052913 08/21/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAYUKI ARAI	10/13/2016
RYUICHI KONDOU	10/13/2016
AKIKO YAMAGUCHI	10/18/2016
SHINSUKE TAKEOKA	10/14/2016
KAZUHIKO OYAMA	10/20/2016
KENJI OTAKE	10/14/2016

RECEIVING PARTY DATA

Name:	TAIYO YUDEN CO., LTD.
Street Address:	16-20, UENO 6-CHOME
Internal Address:	TAITO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	110-0005

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16106439

CORRESPONDENCE DATA

Fax Number: (703)770-7901

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.

Phone: 703-770-7900

Email: docket_ip@pillsburylaw.com, barbie.beavers@pillsburylaw.com

Correspondent Name: PILLSBURY WINTHROP SHAW PITTMAN, LLP

Address Line 1: PO BOX 10500

Address Line 4: MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	083146-0460997
NAME OF SUBMITTER:	BARBIE BEAVERS
SIGNATURE:	/barbie beavers/
DATE SIGNED:	08/21/2018

PATENT 505052913 REEL: 046642 FRAME: 0475

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 7

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PATENT REEL: 046642 FRAME: 0476

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: LAMINATED INDUCTOR

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

[X] United States application or PCT international application number 15/275,924 filed on September 26, 2016.

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 have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 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.

WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled "LAMINATED INDUCTOR" disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, <u>TAIYO YUDEN CO., LTD.</u> (hereinafter "Assignee"), having a place of business at <u>16-20. Ueno 6-chome</u>, <u>Taito-ku</u>, <u>Tokyo</u>, <u>110-0005</u>, <u>JAPAN</u>, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

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AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: Takayuki ARAI	
Signature: Citizenship; JAPAN	Date:
(2) Legal Name of Inventor; Ryuichi KONDOU	
Signature:	Date:
(3) Legal Name of Inventor: Akiko YAMAGUCHI	
Signature:	Date:
(4) Legal Name of Inventor: Shinsuke TAKEOKA	
Signature: Citizenship: JAPAN	Date:

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

Page 2 of 3

(5) Legal Name of Inventor: Kazuhiko OYAMA	
Signature:	Date:
(6) Legal Name of Inventor: Kenji OTAKE	
Signature: Lapan Otto	20/6, 10, 14 Date:

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

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WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled "LAMINATED INDUCTOR" disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, <u>TAIYO YUDEN CO., LTD.</u> (hereinafter "Assignee"), having a place of business at <u>16-20, Ueno 6-chome, Taito-ku, Tokyo, 110-0005, JAPAN</u>, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith:

Page 1 of 3

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: Takayuki ARAI	
Signature: Takayyki Ara) Citizenship: JAPAN	Date: 20/6, 10, 13
(2) Legal Name of Inventor: Ryuichi KONDOU	
Signature: Rywich: KONDOU Citizenship: JAPAN	2016. 10. 13
(3) Legal Name of Inventor: Akiko YAMAGUCHI	
Signature: Akiko Yamaquchi Citizenship: JAPAN	Date: 2016, 10, 18
(4) Legal Name of Inventor: Shinsuke TAKEOKA	
Signature: Shinguke Takeoka-	Date: 20/6 - 10 - 14

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

(5) Legal Name of	Inventor: Kazuhiko OYAl	MA	
Signature: Citizenship <u>: JAF</u>	kazuhiko PAN	Oyawa	Date: 20/6/10/20
(6) Legal Name of	Inventor: Kenji OTAKE		
Signature: Citizenship <u>: JAF</u>	PAN .		Date:

(5) Legal Name of Inventor: Kazuhiko OYAMA	
Signature: Citizenship: <u>IAPAN</u>	Date:
(6) Legal Name of Inventor: Kenji OTAKE	
Signature: 1490 Tules	20/6, 10, 14 Date:
Citizenship: JAPAN	