503263714 04/14/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3310332

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKASHI SUNAGA	03/20/2015
NOBORU KANEKO	03/20/2015
OSAMU MIYOSHI	03/20/2015

RECEIVING PARTY DATA

Name:	NSK LTD.
Street Address:	6-3, OHSAKI 1-CHOME
City:	SHINAGAWA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	141-8560

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14435690

CORRESPONDENCE DATA

Fax Number: (202)628-8844

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.

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Email: ggoodin@crowell.com

Correspondent Name: CROWELL & MORING LLP

Address Line 1: 1001 PENNSYLVANIA AVENUE, NW Address Line 4: WASHINGTON, D.C. 20004-2595

ATTORNEY DOCKET NUMBER:	038921.67561US	
NAME OF SUBMITTER:	JEFFREY D. SANOK	
SIGNATURE:	/Jeffrey D. Sanok/	
DATE SIGNED:	04/14/2015	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

source=67561US Combined Assignment & Declaration#page1.tif source=67561US Combined Assignment & Declaration#page2.tif source=67561US Combined Assignment & Declaration#page3.tif

PATENT 503263714 REEL: 035407 FRAME: 0776

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Date Sheet)

	(For Use with Signed	Application Data Shee	0
Title of Invention:	SEMICONDUCTOR MO	DULE	
the attached application	identified by the attorney docl	cet no. and title of invention	given above; 013/006342, filed on <u>October</u>
	ASSIC	<u>INMENT</u>	
	nsideration, the receipt and su id and assigned, and by these		
Name of Assignee:	NSK LTD.		
Address of Assignce:	6-3, Ohsaki 1-chome, Shir	ragawa-ku, Tokyo 141-856	() Зарав
to the above-identified in continuations thereof, and application or for said inv said ASSIGNEE, its succ	all my right, title, and interest vention and United States pate in and to any and all Letters vention, including any and all essors, or assigns to the full e- fully and entirely as would ha	ent application, including an Patent of the United States t reissues or extensions therec nd of the term or terms for w	hat may issue on any such of, to be held and enjoyed by which any and all such Letters
	quest the Director of the U.S. NGNEE, its successors, or as		
	at I have the full and unencus or executed and will not exec		n the interests herein sold and tent in conflict herewith.
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.			
	DECL	<u>ARATION</u>	
As a below-named invent	or, I hereby declare that:		
The above-identified app	lication was made or authoriz	ed to be made by me.	
I believe that I am the ori	ginal inventor or an original j	oint inventor of a claimed in	vention in the application.
	it any willful false statement i nment of not more than five (unishable under 18 U.S.C.
Signature: To	ikashi Suraga kashi SUNAGA		MAD 20 - 205 DATE

PATENT REEL: 035407 FRAME: 0777

Attorney Docket No.	038921.67561US
NSK Document No.	

U.S. Rights

ASSIGNM	TENT AND DECLARA (For Use with Signed Ap		
Title of Invention:	SEMICONDUCTOR MODU	LE	
the attached app the application is	ration are directed to (check one) lication; dentified by the attorney docket r pplication or PCT International A	no, and title of invention g	
	<u>ASSIGN</u>	MENT	
	ssideration, the receipt and suffici d and assigned, and by these pres		
Name of Assignee:	NSK LTD.		
Address of Assignee:	6-3, Ohsaki 1-chome, Shinags	ıwa-kn, Tokyo 141-8560	.Iapan
(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.			
	uest the Director of the U.S. Pate IGNEE, its successors, or assigns		to issue any and all such
	at I have the full and unencumber of executed and will not execute:		
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.			
	<u>DECLAR</u>	<u>ATION</u>	
As a below-named invento	ar, I hereby declare that:		
The above-identified appli	ication was made or authorized to) be made by me.	
I believe that I am the orig	sinal inventor or an original joint	inventor of a claimed inv	ention in the application.
	t any willful false statement made nment of not more than five (5) y		nishable under 18 U.S.C.
Signature: No.	Strik Kane ko boni KANEKO		MAR-20-20/5.

PATENT REEL: 035407 FRAME: 0778

Attorney Docket No.	038921.67561US
NSK Document No.	

RECORDED: 04/14/2015

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ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(For Use with Signed Applica	ation Data Sheet)
Title of Invention:	SEMICONDUCTOR MODULE	
the attached appl the application it	iontified by the attorney docket no. and	f title of invention given above; ation No. <u>PCT/JP2013/006342</u> , filed on <u>October</u>
	ASSIGNMEN	<u>•T</u>
	sideration, the receipt and sufficiency I and assigned, and by these presents h	of which are hereby acknowledged, as a below- ereby sell and assign, unto:
Name of Assignee:	NSK LTD.	
Address of Assignee:	6-3, Ohsaki 1-chome, Shinagawa-k	u, Tokyo 141-8560 Japan
to the above-identified inv continuations thereof, and application or for said inve- said ASSIGNEE, its succe	emion and United States patent applics in and to any and all Letters Patent of union, including any and all reissues o asors, or assigns to the full end of the t	fnited States, its territories, and possessions in and ation, including any and all divisions or the United States that may issue on any such rextensions thereof, to be held and enjoyed by erm or terms for which any and all such Letters eld and enjoyed by me had this Assignment not
I hereby authorize and requ Letters Patent to said ASS	uest the Director of the U.S. Patent and IGNEE, its successors, or assigns in ac	f Trademark Office to issue any and all such cordance herewith.
		itt to sall and assign the interests herein sold and ocument or instrument in conflict herewith,
assigns all information kno deliver any papers, make a deemed necessary or desire to said invention, to said a Patent that may be granted or assigns, or to assist said	own to me relating to said invention or Il rightful oaths, testify in any legal pro able by said ASSIGNEE, its successor oplication including divisions and cont therefor or thereon, including reissues	IGNEE, its successors, legal representatives, or patent application and that I will execute and occedings, and perform all other lawful acts s, legal representatives, or assigns to perfect title inuations thereof and to any and all Letters or extensions, in said ASSIGNEE, its successors, esentatives, or assigns in obtaining, reissuing, or
	DECLARATION	<u>ON</u>
As a below-named investo	r, I hereby declare that:	
The above-identified appli	cation was made or authorized to be m	ade by me.
I believe that I am the orig	inal inventor er an original joint invent	for of a claimed invention in the application.
	any willful false statement made in thi ment of not more than five (5) years, o	is declaration is punishable under 18 U.S.C. or both.
Signature: (): Ynventor: Osa	Janu Miyashi	Mar. 20. 2015

PATENT REEL: 035407 FRAME: 0779