505550714 06/28/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5597515

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAAKI FUCHIKAMI	06/18/2019
KAZUTAKA MIYAMOTO	06/18/2019
HIROMITSU KIMURA	06/18/2019
KAZUHISA UKAI	06/18/2019

RECEIVING PARTY DATA

Name:	ROHM CO., LTD.
Street Address:	21, SAIIN MIZOSAKI-CHO
Internal Address:	UKYO-KU
City:	KYOTO-SHI, KYOTO
State/Country:	JAPAN
Postal Code:	6158585

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16399228

CORRESPONDENCE DATA

Fax Number: (312)803-4960

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.

Email: docketing@chiplawgroup.com

CHIP LAW GROUP Correspondent Name: Address Line 1: 155 N WACKER DR

Address Line 2: **SUITE 4250**

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	19ROH011US0
NAME OF SUBMITTER:	PRAMOD CHINTALAPOODI
SIGNATURE:	/Pramod Chintalapoodi/
DATE SIGNED:	06/28/2019

Total Attachments: 4

source=19ROH011US0_Executed-Declarations#page1.tif

PATENT REEL: 049626 FRAME: 0095 505550714

source=19ROH011US0_Executed-Declarations#page2.tif source=19ROH011US0_Executed-Declarations#page3.tif source=19ROH011US0_Executed-Declarations#page4.tif

> PATENT REEL: 049626 FRAME: 0096

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	SEMICONDUCTOR MEMORY DEVICE		
As the below nan	ned inventor, I hereby declare that:		
This declaration			
is directed to:	United States application or PCT international application number filed on		
The above-identif	ied application was made or authorized to be made by me.		
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.		
WHEREAS, RO	HM Co., LTD.		
	red to as "ASSIGNEE") having places of business at: 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto-shi,		
	uiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may ore in the United States and its territorial possessions and in any and all foreign countries;		
and for other goo and exclusive rigi (including the righ and Arrangement which may be gra and to any and all	FORE, in consideration of the sum of ONE DOLLAS (\$1.00), the receipt whereof is hereby acknowledged, d and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full not to the said invention in the United States and its territorial possessions and in all foreign countries at to claim priority under the terms of the International Convention and other relevant international Treaties is from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent inted therefor in the United States and its territorial possessions and in any and all foreign countries and in divisions, reissues, continuations, substitutions and renewals thereof.		
all foreign countri right, title and int the full end of the	orize and request the Patent Office Officials in the United States and its territorial possessions and any and es to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignees of my entire erest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to term for which said Letters Patent may be granted, as fully and entirely as the same would have been held signment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.			
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years, or both.		
LEGAL NAME OF I	· · · · · · · · · · · · · · · · · · ·		
Inventor: <u>Taka</u>	aki FUCHIKAMI Date: Jun, 18, 2017		
Signature:	Tuchikami Takaaki		

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	SEMICONDUCTOR MEMORY DEVICE		
As the below nam	ned inventor, I hereby declare that:		
This declaration	∑ The attached application, or		
is directed to:	United States application or PCT international application number filed on		
The above-identif	ied 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.		
WHEREAS, RO	HM Co., ETD.		
	red to as "ASSIGNEE") having places of business at: 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto-shi,		
Kyoto, Japan			
	uiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may ore in the United States and its territorial possessions and in any and all foreign countries;		
and for other goo and exclusive rigi (including the righ and Arrangement which may be gra	FORE, in consideration of the sum of ONE DOLLAS (\$1.00), the receipt whereof is hereby acknowledged, d and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full not to the said invention in the United States and its territorial possessions and in all foreign countries to claim priority under the terms of the International Convention and other relevant International Treaties is from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent inted therefor in the United States and its territorial possessions and in any and all foreign countries and in divisions, reissues, continuations, substitutions and renewals thereof.		
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.			
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.			
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.			
LEGAL NAME OF INVENTOR			
Inventor: Kazu	taka MIYAMOTO Date: Jun. 18, 2019		
Signature: <u>M</u>	IYAMOTO Kazutaka		

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	SEN	SEMICONDUCTOR MEMORY DEVICE			
As the below named inventor, I hereby declare that:					
This declarati	is declaration 🗵 The attached application, or				
is directed to	: 🗆	United States application or PCT international application number filed on			
The above-ide	entified a	pplication was made or authorized to be made b	oy me.		
I believe that	I am the	original inventor or an original joint inventor of a	a claimed ir	evention in the application.	
WHEREAS,	ROHM (Co., LTD.			
(hereinafter r Kyoto, Ja		o as "ASSIGNEE") having places of business at:	21, Saiin	Mizosaki-cho, Ukyo-ku, Kyoto-shi,	
is desirous of	acquiring	the entire right, title and interest in and to said the United States and its territorial possession:		·	
and for other and exclusive (including the and Arrangen which may be and to any an	good and right to right to cl nents from granted d all divis	, in consideration of the sum of ONE DOLLAS (I valuable consideration, I, by these presents do the said invention in the United States and it laim priority under the terms of the Internationa in the aforesaid application) and the entire right, therefor in the United States and its territorial p ions, reissues, continuations, substitutions and r and request the Patent Office Officials in the Un	o sell, assign is territorial I Convention , title and in possessions renewals th	and transfer unto said ASSIGNEE, the full possessions and in all foreign countries nand other relevant International Treaties iterest in and to any and all Letters Patent and in any and all foreign countries and in ereof.	
all foreign cou right, title and the full end of	intries to d interest f the term	issue any and all of said Letters Patent, when grain and to the same, for the sole use and behoof for which said Letters Patent may be granted, a nent and sale not been made.	anted, to sa f of said ASS	id ASSIGNEE as the assignees of my entire SIGNEE, its (his) successors and assigns, to	
said inventior renewal and r issued to said successors an	n, and tes reissue ap d ASSIGNI d assigns	at I will communicate to said ASSIGNEE or its (hatify in any legal proceeding, sign all lawful pay oplications, execute all necessary assignment pase, make all rightful oaths, and, generally do , to obtain and enforce proper protection for sand all foreign countries.	pers, execu pers to cau everything	te all divisional, continuation, substitute, se any and all of said Letters Patent to be possible to aid said ASSIGNEE, its (his)	
		lge that any willful false statement made in this or more than five (5) years, or both.	declaration	is punishable under 18 U.S.C. 1001 by fine	
LEGAL NAME OF INVENTOR					
Inventor: }	Hiromitsu	ı KIMURA	Date:	Jun. 18, 2019	
Signature:	Hir	emitu-fremera			

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	SEMICONDUCTOR MEMORY DEVICE				
As the below named inventor, I hereby declare that:					
This declaration	is declaration 🗵 The attached application, or				
is directed to:	United States application or PCT international application number filed on	····			
The above-identii	ntified application was made or authorized to be made by me.				
I believe that I an	am the original inventor or an original joint inventor of a claimed invention in the a	pplication.			
WHEREAS, RO	ROHM Co., LTD.				
	ferred to as "ASSIGNEE") having places of business at: 21, Saiin Mizosaki-cho,	Ukyo-ku, Kyoto-shi,			
	an equiring the entire right, title and interest in and to said invention and in and to an refore in the United States and its territorial possessions and in any and all foreign i				
and for other goo and exclusive rigi (including the righ and Arrangement which may be gra	REFORE, in consideration of the sum of ONE DOLLAS (\$1.00), the receipt whereof cood and valuable consideration, I, by these presents do sell, assign and transfer unright to the said invention in the United States and its territorial possessions an ight to claim priority under the terms of the International Convention and other relevents from the aforesaid application) and the entire right, title and interest in and to granted therefor in the United States and its territorial possessions and in any and a all divisions, reissues, continuations, substitutions and renewals thereof.	nto said ASSIGNEE, the full and in all foreign countries want International Treaties any and all Letters Patent			
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.					
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.					
		der 18 U.S.C. 1001 by fine			
LEGAL NAME OF I	FINVENTOR	A			
		18, 2017			
Signature:	Kazuhisa Ukai				
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries. 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. LEGAL NAME OF INVENTOR inventor: Kazuhisa UKAI Date: Date: Date:					

PATENT REEL: 049626 FRAME: 0100