505396735 03/27/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:			NEW ASSIGNMENT		
NATURE OF CONVEY	ANCE:		ASSIGNMENT		
CONVEYING PARTY	DATA				
			Name		Execution Date
MASATSUGU KOBAY	ASHI				03/01/2019
SAYAKA SHIDA					03/01/2019
KOKI MITSUNAMI					03/04/2019
RECEIVING PARTY D	ΑΤΑ				
Name:	SONY	SEMI	CONDUCTOR SOLUTIONS COR	RP	ORATION
Street Address:	4-14-1	ASAH	II-CHO		
Internal Address:	ATSU	GI-SHI			
City:	KANA	GAWA	N		
State/Country:	JAPAN	١			
Postal Code:	24300	14			
PROPERTY NUMBER Property Type			Number		
	9				
Application Number:		16337	/148		
CORRESPONDENCE	DATA				
Fax Number:		(312)8	803-4960		
			e-mail address first; if that is un hat is unsuccessful, it will be se		
•	•		eting@chiplawgroup.com		
Correspondent Name			LAW GROUP		
Address Line 1:		155 N	I WACKER DR		
Address Line 2:		SUITE	E 4250		
Address Line 4:		CHIC	AGO, ILLINOIS 60606		
ATTORNEY DOCKET I	UMBER:		SP368036US00		
NAME OF SUBMITTER	ł:		PRAMOD CHINTALAPOODI		
SIGNATURE:			/Pramod Chintalapoodi/		
DATE SIGNED:			03/27/2019		
Total Attachments: 3					
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source=SP368036US00		•			
source=SP368036US00)_USFP#p	age3.t	tif		
					PATENT

Attorney Docket No.: Sony Ref. No.: SP363036US00

fille of nvention	IMAGE SER	NSOR			
Vs the below	named inventor, 11	nereby declare that:			
This declarat s directed to		The attached application, or			
		United States application or PCT intern filed on	ational application number	PCT/JP2017/037869	
The above-id	entified application	was made or authorized to be made by	y me.		
VHEREAS,	SONY SEMI	ventor or an original joint inventor of a CONDUCTOR SOLUTIONS C	ORPORATION		, with offices a
equiring all	interest in, to and a	-shi, Kanagawa, Japan nder said invention, said application d unted therefor in the United States and	lisolosing the invention and		
of which are egat represe	hereby acknowled; ntatives, the entire r	ration of the sum of One Dollar (\$1.00 cod, I by these presents do hereby ass ight, title and interest in said invention	igh, sell and transfer into	said ASSIGNEE, its success	sors, assigns, an
ny and all p Convention J dheres, and Juited States	riority rights and/or Kelating to Patents, to any other benefits and countries fore	ent of the United States, and countries convention rights under the Internation Designs and Industrial Models, and an is accruing or to accrue to me with res- ign thereto, and I hereby authorize and assignee of the whole right, title and	i foreign thereto, which ma mal Convention for the Pro- ny other international agree pect to the filing of applic I request the Commissione	ty be granted for said inventi- nection of Industrial Property ements to which the United 8 ations for patents or securing	on, and in and , Inter-America States of Americ , of patents in the
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my and all p Convention J differes, and Juited States Patent to said and 1 furthe lesignee, as emuneration for United S and 1 furthe upplication, and 1 furthe upplication,	riority rights and/or Relating to Patents, to any other benefits and countries fore I ASSIGNEE, as the r agree to execute ASSIGNEE or its a, in order to perfec- tates and countries for a foreign patents, for may be granted for any be granted for a agree that ASSIG said invention and a	ent of the United States, and countries convention rights under the Internation Designs and Industrial Models, and an is accruing or to accrue to me with res- ign thereto, and I hereby authorize and easignee of the whole right, title and all necessary or desirable and lawful successors, assigns and legal repre- t title in said invention, modifications breign thereto; v execute and deliver and without fu- br filling subdivisions of said applicati	i foreign thereto, which ma mal Convention for the Pro- ny other international agree spect to the filing of applic I request the Commissione interest thereto; future documents, includin sentatives may from time, and improvements in said on for patent, and or, for o GNEE thereof shall hereaft vided promptly with all pr	y be granted for said inventi- tection of Industrial Property amous to which the United 8 ations for patents or securing r of Patents to issue said Uni- ing assignments in favor of / >to-time present to me and 1 invention, applications and necessary or desirable and 1 btaining any reissue or reissue or require and prepare at its c ertinent facts and document	on, and in and , Inter-Americs States of Americ of patents in it ted States Lette ASSIGNEE of it without furth Letters Patent tes of any Lette num expense; s relating to sa
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Attorney Docket No.: Sony Ref. No.: SP368036US00

	CLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN LICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
Title of Invention	IMAGE SENSOR
As the below	named inventor. I hereby declare that:
This declaration is directed to:	Press a second and a share the second and the second s
	United States application or PCT international application number <u>PCT/JP2017/037869</u> filed on <u>2017/10/19</u> .
The shove-id	entified application was made or authorized to be made by me.
WHEREAS,	f am the original inventor or an original joint inventor of a claimed invention in the application. SONY SEMICONDUCTOR SOLUTIONS CORPORATION , with offices at
acquiring all	sahi-cho, Atsugi-shi, Kanagawa, Japan (hereinatter referred to as ASSIGNEE), is desirous of interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar on which may be granted therefor in the United States and in any and all foreign countries;
of which are legal represent in and to any any and all p Convention I adheres, and United States	EFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and natrives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to civity rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the stand countries foreign thereto; and request the Commissioner of Patents to issue said United States Letters HASSIGNEE, as the assignee of the whole right, title and interest thereto;
designee, as remaneration	r agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further a, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of lates and countries loreign thereto;
application f	r agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for or foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
application, a	a agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said taid invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will be same in any interference or litigation related thereto;
And I hereby this assignme	covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with ent and sale.
	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of n five (5) years, or both.
LEGAL NA	ME OF INVENTOR
Inventor:	SAYAKA SHIDA Date: <u>20/9/3/1</u>
Signature:	Rayaka Milla

PATENT REEL: 048715 FRAME: 0734

Attorney Docket No.: Sony Ref. No.: SP368036US00

fitle of Invention	IMAGE SENSOR
As the below	named inventor, I hereby declare that:
This declarati is directed to:	The attached analization or
	United States application or PCT international application number PCT/JP2017/037869 filed on
The above-id	entified application was made or authorized to be made by me.
WHEREAS,	
	sahi-cho, Atsugi-shi, Kanagawa, Japan (hereinalier referred to as ASSIGNEE), is desirous c
	interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or simile on which may be granted therefor in the United States and in any and all foreign countries;
legal represes in and to any	hereby acknowledged, 1 by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, an natives, the entire right, title and interest in said invention, said application, including any divisions and commutions thereof, an and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and t
legal represent in and to any any and all pro- Convention F adheres, and United States	natives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, an
legal represent in and to any any and all pu- Convention F adheres, and United States Patent to said And 1 further designee, as remuneration	natives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, an and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and t riority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-America telating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Americ to any other benefits accuring or to accure to me with respect to the filing of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters
legal represen- in and to any any and all pi- Convention I adheres, and United States Patent to said And I further designee, as remuneration the United St And I further application fi	natives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, an and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and t itority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-America telating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Americ to any other benefits accuring or to accure to me with respect to the filing of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letter ASSIGNEE, as the assignee of the whole right, title and interest thereto; agree to execute all necessary or desirable and legal representatives may from time-to-time present to me and without further aSSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of
legal represen- in and to any any and all pro- Convention F adheres, and United States Patent to said And I further designee, as remuneration the United St And I further application for Patent which And I further application, s	natives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, an and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and t itority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-America telating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Americ to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in th and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letter ASSIGNEE, as the assignee of the whole right, title and interest thereto; r agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or i ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without furths , in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of ates and countries foreign thereto; r agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for its successors assigns of said application for patent, and or, for obtaining any reissare or reissues of any Letter
legal represen- in and to any any and all pu- Convention I adheres, and United States Patent to said And I further designee, as remuneration the United St And I furthe application fi Patent which And I furthe application, s testify as to f And I hereby	natives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, an and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and t itority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-America telating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Americ to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letter ASSIGNEE, as the assignee of the whole right, title and interest thereto; ragree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or if ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of ates and countries foreign thereto; r agree to properly execute and deliver and without further remaneration, such necessary or desirable and lawful papers for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letter may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense; r agree that ASSIGNEE will, upon its request, be provided prompily with all pertinent facts and documents relating to sai aid invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and with as same in any interference or litigation related thereto;
legal represen- in and to any any and all p Convention I adheres, and United States Patent to said And I further designee, as remuneration the United St And I further application fa Patent which And I further application, s testify as to f And I hereby this assignment	natives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, an and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and t itority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-America telating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Americ to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letter ASSIGNEE, as the assignee of the whole right, title and interest thereto; ragree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or if ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of ates and countries foreign thereto; r agree to properly execute and deliver and without further remaneration, such necessary or desirable and lawful papers for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letter may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense; r agree that ASSIGNEE will, upon its request, be provided prompily with all pertinent facts and documents relating to sai aid invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and with as same in any interference or litigation related thereto;
legal represen- in and to any any and all pi Convention I adheres, and United States Patent to said And I further designee, as remuneration the United St And I further application for Patent which And I further application, s testify as to t And I hereby this assignment I hereby acka monome that	natives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, an and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and t iority rights and/or convention rights under the International Convention for the Protection of Industrial Property. Inter-America leading to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Americ to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in th and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letter ASSIGNEE, as the assignee of the whole right, title and interest thereto; r agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or i ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of ates and countries foreign thereto; r agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers fit or foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letter may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and documents relating to sai aid invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and wite same in any interference or litigation related thereto; covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict wit mt and sale.