505028340 07/31/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUKIHIRO TAKIMOTO	07/18/2018
KEIICHI SATO	07/19/2018
ICHIRO HAYASHI	07/23/2018

RECEIVING PARTY DATA

Name:	MITSUMI ELECTRIC CO., LTD.
Street Address:	2-11-2, TSURUMAKI
City:	TAMA-SHI, TOKYO
State/Country:	JAPAN
Postal Code:	206-8567

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16049845

CORRESPONDENCE DATA

Fax Number: (703)684-1460

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: ncolston@brundidge-stanger.com

Correspondent Name: BRUNDIDGE & STANGER P.C. CARL I. BRUNDI

Address Line 1: WASH/ASSOC

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	4450.555BS
NAME OF SUBMITTER:	CARL I. BRUNDIDGE
SIGNATURE:	/Carl I. Brundidge/
DATE SIGNED:	07/31/2018

Total Attachments: 6

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PATENT 505028340 REEL: 046510 FRAME: 0611

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> PATENT REEL: 046510 FRAME: 0612

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the undersigned by MITSUMI ELECTRIC CO., LTD., a corporation organized under the laws of Japan and located at 2-11-2, Tsurumaki, Tama-shi, Tokyo 206-8567 Japan, receipt of which is hereby acknowledged, I or we do hereby sell and assign to said MITSUMI ELECTRIC CO., LTD., its successors and assigns, all of my or our right, title and interest, in and for the United States of America in and to the invention entitled

LENS DRIVING DEVICE, CAMERA MODULE, AND CAMERA MOUNTING APPARATUS

invented by me or us and described in the application for U.S. Letters Patent therefor identified as:

(X)	Serial No.			filed _	<u> </u>	or	
()	executed on	even date herewith;	or				
()	executed on	(date)			,		

and all United States Letters Patent which may be granted therefor, and all Divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by MITSUMI ELECTRIC CO., LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I or we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the joint title thereto in said assignee;

And I or we do hereby authorize and request the Commissioner of Patents and Trademarks, or equivalent, to issue said Letters Patent to said MITSUMI ELECTRIC CO., LTD. and do hereby authorize the Law Firm of Brundidge & Stanger, P.C. 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.

PATENT REEL: 046510 FRAME: 0613 Signed on the date(s) indicated aside signatures:

INV	VENTOR(S)	Date Signed	
1)	Yukihiro Takimoto Yukihiro Takimoto	July, 18. 2018	_
2)	Keiichi SATO		_
3)	Ichiro HAYASHI		_

PATENT

REEL: 046510 FRAME: 0614

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the undersigned by MITSUMI ELECTRIC CO., LTD., a corporation organized under the laws of Japan and located at 2-11-2, Tsurumaki, Tama-shi, Tokyo 206-8567 Japan, receipt of which is hereby acknowledged, I or we do hereby sell and assign to said MITSUMI ELECTRIC CO., LTD., its successors and assigns, all of my or our right, title and interest, in and for the United States of America in and to the invention entitled

LENS DRIVING DEVICE, CAMERA MODULE, AND CAMERA MOUNTING APPARATUS

invented by me or us and described in the application for U.S. Letters Patent therefor identified as:

(x) Serial No. ________, filed ________; or

() e	xecuted	on	even	date	herewith;	or							
() e	xecuted	on	(dat	.e)					,				
and	all	United	Sta	ates	Lette	rs Patent	wh:	ich	may	be	granted	therefor	and	all
Divi	sion	s, cont	inua	ation	ns and	extensio	ns	ther	ceof,	th	e said	interest	being	the

Divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by <u>MITSUMI ELECTRIC CO., LTD.</u>, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I or we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the joint title thereto in said assignee;

And I or we do hereby authorize and request the Commissioner of Patents and Trademarks, or equivalent, to issue said Letters Patent to said <u>MITSUMI</u> <u>ELECTRIC CO., LTD.</u> and do hereby authorize the Law Firm of Brundidge & Stanger, P.C. 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.

INVENTOR(S)	Date Signed
1)Yukihiro TAKIMOTO	
2) <u>Lenchi Setti</u> Keiichi SATO	July. 19, 2018
3)	

Signed on the date(s) indicated aside signatures:

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the undersigned by MITSUMI ELECTRIC CO., LTD., a corporation organized under the laws of Japan and located at 2-11-2, Tsurumaki, Tama-shi, Tokyo 206-8567 Japan, receipt of which is hereby acknowledged, I or we do hereby sell and assign to said MITSUMI ELECTRIC CO., LTD., its successors and assigns, all of my or our right, title and interest, in and for the United States of America in and to the invention entitled

LENS DRIVING DEVICE, CAMERA MODULE, AND CAMERA MOUNTING APPARATUS

invented by me or us and described in the application for U.S. Letters Patent therefor identified as:

(X .) Serial N	0.					filed	 _;	or	
()	executed	on	even	date	herewith;	or				
()	executed	on	(date	≘)						÷

and all United States Letters Patent which may be granted therefor, and all Divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by MITSUMI ELECTRIC CO., LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I or we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the joint title thereto in said assignee;

And I or we do hereby authorize and request the Commissioner of Patents and Trademarks, or equivalent, to issue said Letters Patent to said <u>MITSUMI ELECTRIC CO., LTD.</u> and do hereby authorize the Law Firm of Brundidge & Stanger, P.C. 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.

PATENT REEL: 046510 FRAME: 0617 INVENTOR(S)

Date Signed

1)

Yukihiro TAKIMOTO

2)

Keiichi SATO

3) Uchine Hayaki
Ichiro HAYASHI

Signed on the date(s) indicated aside signatures:

PATENT REEL: 046510 FRAME: 0618

RECORDED: 07/31/2018