### 506330859 10/30/2020 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6377610

SUBMISSION TYPE:			NEW ASSIGNMENT		
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PARTY	DATA				
			Name		Execution Date
YUJI KINIWA					10/21/2020
YOTA HASHIMOTO					10/21/2020
YUUICHI TAKENAGA	١				10/21/2020
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City:	FUKU	ЭКА			
State/Country:	JAPAN	١			
Postal Code:	812-85	531			
Property TypeApplication Number:1708			Number 5192		
Application Number	•	1706	5192		
CORRESPONDENCE	E DATA				
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NAME OF SUBMITTER:			STEVEN B. POLLICOFF		
SIGNATURE:			/Steven B. Pollicoff/		
DATE SIGNED:			10/30/2020		
Total Attachments: 3					
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PIPS Ref\*: SP000004US01

Application Serial No.\_\_\_\_\_

US Firm Name\*: GREENBLUM

(\* must be filled)

US Firm Ref:

## ASSIGNMENT

the undersigned has	(have) invented	the invention entitled:

Box 1				
Title of Invention:				
3 MOS CAMERA				
1. For use when signing Declaration prior to filing U	S netent ennication (check only	v one box below)		
1. For use when signing Declaration prior to ming D	.S. paterit approviden ferreert en			
(a)∎for which an application for U.S. patent has been executed t	by the undersigned concu	mently herewith, or		
(b) for which an application for U.S. patent has been executed on the following date(s):, of (b) beclaration & Assignment are signed on the same day, check (a) and make no entry in the blank; if the Declaration was signed before this Assignment, enter the date(s) on which you signed the Declaration)				
(if Declaration & Assignment are signed on the same day, check (a) and make no entry in the blank; if the	e Declaration was signed before this Assig	Ameni, enter un outer of on many of		
(c) for which an International Application has been filed as:	PCT Application No.	and,		
(c) tor which an international Application has been need up (for the PCT-US national entry, check only (c) and enter PCT application number in the right)	PC1 Application No.			
(for the PCI-US national entry, check only (c) and chart of 44		20		
2. For use when signing Declaration	n aner ming 0.3. paterit approved			
(d)□for which an application for U.S. patent has been filed on:	Application Filing Date	and,		

# WHEREAS, PANASONIC I-PRO SENSING SOLUTIONS CO., LTD., 4-1-62 MINOSHIMA, HAKATA-KU, FUKUOKA-SHI, FUKUOKA

its/their heirs, successors, legal representatives and assigns (hereinafter designated as "Assignee(s)") is/are desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does sell, assign and transfer unto said Assignee(s) the entire and exclusive right, title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, continuations, continuations-in-part and reissues thereof in the United States and all countries foreign to the United States (hereinafter designated as "Related Applications"), along with all rights of priority created by this patent application under any treaty relating thereto; and (iii) any and all Letters Patent(s), including all renewals, extensions, reissues and reexamination certificates which may be granted therefore, and all rights to sue for past and future infringement thereunder, in the United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such interference, and for any and all litigations regarding, or for the purpose of protecting the right, title and interest in and to said invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating thereto and in support thereof, for the benefit of Assignee(s), and also to execute separate assignments in connection

with such applications as the Assignee(s) may deem necessary or expedient. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States and any foreign patent(s) to the Assignee(s) and to vest all rights hereby conveyed to the Assignee(s) as fully and entirely as the same would have been held by

the undersigned if this Assignment had not been made. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents, and officials of all foreign countries, whose duty is to issue patents, to issue any and all Letters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignee(s) and hereby covenants that the undersigned has (have) full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any assignment, sale, agreement or encumbrances in conflict herewith.

The undersigned hereby does sell, assign and transfer unto said Assignee(s) the full and exclusive authority for revoking power of attorney(s) executed by the undersigned in connection with this application and for appointing a new power of attorney in place thereof.

The undersigned hereby grant(s) the Assignee(s) and the appointed U.S. patent attorneys and agents the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent Office for recordation of this document.

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively. The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within

the United States

IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

Box2	(Each Inventor, please Sign and Date b	elow)(f) Signature	(g) Date signed
	(e) First Name, Last Name		Month, Date, Year
(1)	Yuji KINIWA	Min Kinina	Oct. 21, 2020
L			Month, Date, Year
(2)	Yota HASHIMOTO	/ /	
			Month, Date, Year
(3)	Yuuichi TAKENAGA		
			Month, Date, Year
(4)			

Check if additional paper(s) is/are attached. Total of <u>1</u> page(s) are submitted.

PIPS Reft: SP000004US01

Application Serial No.\_\_\_\_\_

US Firm Name\*: <u>GREENBLUM</u> (\* way be filled) US Firm Ref:

#### ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled:

Title of Invention:				
3 MOS CAMERA				
1. Fur use when signing Dectoration prior to filing L	1.S. patent application (check on	N one box below)		
(a) Mfor which an application for U.S. patent has been executed by the undersigned concurrently herewith, or				
(b) I for which an application for U.S. patent has been executed on the following date(s):				
(c)Elfor which an International Application has been filed as: (In the PCFUS national car), these only it i and enter PCF application member is the right	PCT Application No.	and,		
2. For use when signing Declaration	n efter (lling U.S. patent application	87		
(d) Ofor which an application for U.S. patent has been filed on:	Application Filing Date	and;		

WHEREAS, PANABONIC 1-PRO SENSING SOLUTIONS CO., LTD., 4-1-62 MINOSHIMA, HAKATA-KU, FUKUOKA-SHI, FUKUOKA 812-8531 JAPAN, and

its/their heirs, successors, legal representatives and assigns (hereinafter designated as "Assignes(s)") is/are desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does cell, assign and transfer unto said Assignee(s) the entire and exclusive right, title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all retated patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, continuations, continuations, in-part and reissues thereof in the United States and all countries foreign to the United States (hereinafter designated as "Related Applications"), along with all rights of priority created by this patent application under any treaty relating therefore, and (iii) any and all Letters Patent(s), including all renewals, extensions, relations and reexamination contification under any be granted therefore, and all rights to sue for past and future infringement thereunder, in the United States and in all countries foreign to the United States (and fully the sum or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereoi, all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such interference, and for any and all litigations regarding, or for the purpose of protecting the right, tille and interest in and to seld invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating thereto and in support thereof, for the benefit of Assignee(s), and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

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	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	YUJI KINIWA		Month, Date, Near
(2)	Yota HASHIMOTO	Jota Hashimata	Month Date, Year Oct. 21, 2020
(3)	Yuuichi TAKENAGA	2	Month, Dats, Year
(4)			Month Date Year

CICheck if additional paper(s) is/are attached. Yotal of \_1\_ page(s) are submitted.

PIPS Ref: SP000004US01

Application Serial No.\_\_\_\_\_

US Firm Name\*: <u>GREENBLUM</u> (\* must be filled) US Firm Ref:

#### ASSIGNMENT

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Box 1 Title of Invention: 3 MOS CAMERA		
1. For use when signing Declaration prior to filing	U.S. patent application (check on	iy one bax below)
(a) softer which an application for U.S. patent has been executed	by the undersigned concu	irrently herewith, or
(b) for which an application for U.S. patent has been executed of Destruction & disparately on spared on the scale der, check for and node as any in the Marke of	on the following date(s):	OT priment, enter the durets) on which you signed the Declaration
(c) Elfor which an International Application has been filed as: (for the PCT-US individual entry, where only (c) and enter PCT application number in the right)	PCT Application No.	and,
2. For use when signing Declaration	in after tiling U.S. patent applicati	37.5
(d)⊡for which an application for U.S. patent has been filed on	Application Filing Date	ടന്റ,

#### WHEREAS, PANASONIC I-PRO SENSING SOLUTIONS CO., LTD., 4-1-62 MINOSHIMA, HAKATA-KU, FUKUOKA-SHI, FUKUOKA §12-8531 JAPAN, and

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	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Yuji KINIWA		Month, Date, Year
(2)	Yota HASHIMOTO		Month, Date, Year
(3)	Yuuichi TAKENAGA	(Juichi) Takonya	Morith, Date, Year OCL: 21, 2020
(4)			Month, Date, Year

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Check if additional paper(s) is/are attached. Total of 1\_ page(s) are submitted.

#### **RECORDED: 10/30/2020**

#### PATENT REEL: 054224 FRAME: 0197