PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

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SATOSHI TSUNO	08/29/2016
NAOTADA OKADA	08/25/2016
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15123889

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DATE SIGNED:	09/06/2016

Total Attachments: 5

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> PATENT REEL: 039641 FRAME: 0057

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> PATENT REEL: 039641 FRAME: 0058

Practitioner's Docket No		PATENT
	For: For:	[x] U.S. and/or [] Foreign Rights [x] U.S. Application or
	For:	[] U.S. Provisional Application [] U.S. Patent
	For:	[] PCT Application
	By:	Multiple Inventors
ASSIGNMENT OF INVEN	NTION	(MULTIPLE INVENTORS)
In consideration of the payment by ASSIC receipt of which is hereby acknowledged, and	ONEE to	o ASSIGNOR of the sum of One Dollar (\$1.00), the er good and valuable consideration,
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(Assignment of Invention-Multiple Inventors-page 1 of 3) 16-3.2

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	Nationality

(Assignment of Invention-Multiple Inventors-page 2 of 3) 16-3.2

Added page(s) for signature by subsequent inventors. Number of pages added					
	(if assignment	is by person or entity to whom inver and this was recorded in			
Record	Recorded on Reel Frame				
hereby sell		nd transfers to			
FOR FUT		EARCH ASSOCIATION TIVE MANUFACTURING GNEE)	6F Nihonbashi Fir	st Bldg., 2-19,	
Japanese Nationality		, , , , , , , , , , , , , , , , , , , 	Nihonbashi 1-cho	me, Chuo-ku, Tokyo, Japan	
and the	successors,	assigns and legal representati	ives of the ASSIGN	EE	
		(complete one of	f the following)		
[x] [] for the Uni	an undi	re right, title and interest ivided percent (nd its territorial possessions	%) right, title :	and interest	
		(check the following box, if foreign	n rights are also to be a	ssigned)	
[] and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:					
OPTICA	L PROCES	SING APPARATUS AND S	HAPING APPARA	TUS	
Name of	f inventor(s)	Hiroshi OHNO	Yuji SASAKI	Satoshi TSUNO	
		Naotada OKADA	Mitsuo SASAKI		
		(check and complete (a), (b), (c), (d), (e), (f) or (g))	
and which is found in (37 C.F.R. 3.21) (a) [] Not yet filed U.S. patent application executed on even date herewith (b) [] Not yet filed U.S. patent application executed on					
(d)	[]	become known. U.S. patent or provisional paties on	- "		
(e)	ΓX1	International application no.	PCT/IP2016/0582	04 filed on March 15, 2016	

(Assignment of Invention-Multiple Inventors-page 3 of 5) 16-3.2

PATENT REEL: 039641 FRAME: 0061

	Title
NOTE:	No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.
	[] Notarization or Legalization Page Added.

(Assignment of Invention-Multiple Inventors-page 5 of 5) 16-3.2

(f)	. []	U.S. patent no issued [] A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
		(also check (g), if foreign application(s) is also being assigned)
(g)	[]	and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Hiroshi OHNO	Idujosh Ohner	aug. 25, 20/6
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
Yuji SASAKI	Yuzi Lasahi	aug. 29, 2016
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
Satoshi TSUNO	Satoshi Tamo	ang, 29, 201
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
Naotada OKADA	hustrale Ohnde	Aug, 25, 2016
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
Mitsuo SASAKI	mitsur Sasahi	aug. 25, 2016
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
(type name of Assignor)	Signature of ASSIGNOR	this date of signing
(type name of Assignor)	Signature of ASSIGNOR	this date of signing

(if ASSIGNOR is a legal entity, complete the following information)

(type or print the name of the above person authorized to sign on behalf of ASSIGNOR)

(Assignment of Invention-Multiple Inventors-page 4 of 5) 16-3.2

PATENT REEL: 039641 FRAME: 0063

RECORDED: 09/06/2016