504048920 10/13/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4095582

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOSHIHISA GOTOH	09/05/2016
TOSHIO YOSHIDA	09/05/2016
YOSHINOBU KANAZAWA	09/10/2016
YOSHIMITSU NAKASHIMA	09/05/2016
KOHJI KOBAYASHI	09/05/2016
TOSHIO FUKAI	09/20/2016
HITOSHI AOKI	09/07/2016
YASUSHI NAGAMUNE	09/13/2016
TAKASHI TOKIZAKI	09/13/2016
TOSHITAKA OTA	09/13/2016

RECEIVING PARTY DATA

Name:	SHARP KABUSHIKI KAISHA
Street Address:	1 TAKUMI-CHO, SAKAI-KU
City:	SAKAI CITY, OSAKA
State/Country:	JAPAN
Postal Code:	590-8522
Name:	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
Street Address:	3-1, KASUMIGASEKI 1-CHOME
City:	CHIYODA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	100-8921

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15303828

CORRESPONDENCE DATA

Fax Number: (571)313-7421

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.

PATENT 504048920 REEL: 040006 FRAME: 0235

Phone: 571-313-7440

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Correspondent Name: KEATING & BENNETT, LLP
Address Line 1: 1800 ALEXANDER BELL DR.

Address Line 2: SUITE 200

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	70404.3246/HA
NAME OF SUBMITTER:	MICHELLE RHODES
SIGNATURE:	/AMD/mr/
DATE SIGNED:	10/13/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

source=70404-3246-PTO-20161013-Signed-Declaration-Assignment#page1.tif source=70404-3246-PTO-20161013-Signed-Declaration-Assignment#page2.tif source=70404-3246-PTO-20161013-Signed-Declaration-Assignment#page3.tif source=70404-3246-PTO-20161013-Signed-Declaration-Assignment#page4.tif source=70404-3246-PTO-20161013-Signed-Declaration-Assignment#page5.tif source=70404-3246-PTO-20161013-Signed-Declaration-Assignment#page6.tif source=70404-3246-PTO-20161013-Signed-Declaration-Assignment#page7.tif source=70404-3246-PTO-20161013-Signed-Declaration-Assignment#page8.tif

Tit	LIGHT DETECTING DEVICE, SOLID-STATE IMAGE CAPTURING APPARATUS, AND METHOD FOR MANUFACTURING THE SAME	
As	below named INVENTOR/ASSIGNOR, I hereby declare that:	
Th	declaration The attached application, or	
is	rected to: United States application or PCT international application number PCT/JP2015/058772 filed on March 23, 2015 .	_
Th	above-identified application was made or authorized to be made by me.	
I b	leve that I am the original inventor or an original joint inventor of a claimed invention in the application.	
I h	eby state that I have reviewed and understand the contents of the above-identified specification, including th as.	ıe
Iа	nowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.	
	REAS, Sharp Kabushiki Kaisha and NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	
59 is (einafter referred to as "ASSIGNEE") having places of business at: <u>1. Takumi-cho, Sakai-ku, Sakai City, Osaka</u> <u>8522, Japan</u> and having places of business at: <u>3-1. Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 1008921, JAPA</u> sirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent t be granted therefore in the United States and in any and all foreign countries;	- <u>IN</u> hat
AS go rig sai wh	7, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by GNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for oth and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for the same may be granted; and all Letters Patent and applications therefore through the world, including all ights accruing by virtue of the International Convention for the Protection of Industrial Property or other rant International Treaties and Arrangements.	re n
AS en	GNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or red into which would conflict with this assignment and sale;	
do AS an for	GNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts a ments relating to said application, said invention, and said Letters Patent as may be known and accessible to GNOR and will testify as to the same in any interference or litigation related thereto and will promptly execut deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply obtain, maintain, and enforce said application, said invention, and said Letters Patent which may be necessary table to carry out the purposes hereof.	te y
	eby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 or imprisonment of not more than five (5) years, or both.	by
LE	AL NAME OF FIRST INVENTOR/ASSIGNOR	
Inv	ntor: GOTOH, Toshihisa Date: 5 Sept. 2016	
Sig	ature: Sotoh Toshihica	_

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR		
Inventor: YOSHIDA, Toshio	Date:	5 Sept. 2016
Signature: Joshida, Toshio LEGAL NAMIOOF THIRD INVENTOR/ASSIGNOR		ν
,	Data	
Inventor: KANAZAWA, Yoshinobu	Date:	
Signature:		
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR		<i>r</i> ~ . /
Inventor: NAKASHIMA, Yoshimitsu	Date:	5 Sept. 2016
Signature: Yoskimitar Nakashima		
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	***************************************	A CONTRACTOR OF THE CONTRACTOR
Inventor: KOBAYASHI, Kohji	Date:	5 Sept. 2016
Signature: Kobayashi Rohji LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR		
LEGAL NAME OF SÏXTH INVENTOR JASSIGNOR		
Inventor: FUKAI, Toshio	Date:	
Signature:		
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR		
Inventor: AOKI, Hitoshi	Date:	7 Sept . 2016
Signature: aoki 74ttoshi		,
LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR		
Inventor: NAGAMUNE, Yasushi	Date:	THE RESIDENCE AND ASSESSMENT OF THE PROPERTY O
Signature:		
LEGAL NAME OF NINTH INVENTOR/ASSIGNOR		•
Inventor: TOKIZAKI, Takashi	Date:	
Signature:		
LEGAL NAME OF TENTH INVENTOR/ASSIGNOR		
Inventor: OTA, Toshitaka	Date:	
Signature:		

Title LIGHT DETECTING DEVICE, SOLID-STATE IMAGE CAPTURING APPARATUS, AND METHOD FOR MANUFACTURING THE SAME			
As a below named INVENTOR/ASSIGNOR, I hereby declare that:			
This declaration The attached application, or			
is directed to: United States application or PCT international application number PCT/JP2015/058772 filed on March 23, 2015			
The above-identified 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.			
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.			
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.			
WHEREAS, Sharp Kabushiki Kaisha and NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY			
(hereinafter referred to as "ASSIGNEE") having places of business at: 1. Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan and having places of business at: 3-1. Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 1008921, JAPAN is desirous of acquiring the entire right, title, and interest in, to, and under said invention and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries;			
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE the full and exclusive right, title, and interest to the said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefore through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property or other relevant International Treaties and Arrangements.			
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 and sale;			
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention, and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.			
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 FIRST INVENTOR/ASSIGNOR			
Inventor: GOTOH, Toshihisa Date:			
Signature:			

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	
Inventor: YOSHIDA, Toshio	Date:
Signature:	
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: KANAZAWA, Yoshinobu	Date: September 10, 2016
Signature: Yoshinobu Kanagawa	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: NAKASHIMA, Yoshimitsu	Date:
Signature:	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	- Company of the Comp
Inventor: KOBAYASHI, Kohji	Date:
Signature:	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: FUKAI, Toshio	Date:
Signature:	
LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	
Inventor: AOKI, Hitoshi	Date:
Signature:	
LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	
Inventor: NAGAMUNE, Yasushi	Date:
Signature:	
LEGAL NAME OF NINTH INVENTOR/ASSIGNOR	
Inventor: TOKIZAKI, Takashi	Date:
Signature:	
LEGAL NAME OF TENTH INVENTOR/ASSIGNOR	
Inventor: OTA, Toshitaka	Date:
Signature:	

- 1			
		l' DETECTING DEVICE, SOLID-STATE IMAGE C. JFACTURING THE SAME	APTURING APPARATUS, AND METHOD FOR
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	I hereby state claims.	that I have reviewed and understand the co	ontents of the above-identified specification, including the
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	WHEREAS,	TECHNOLOGY	ISTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND
	590-8522, Jap is desirous of a	<u>oan</u> and having places of business at: <u>3-1, Ka</u>	ousiness at: 1. Takumi-cho, Sakai-ku, Sakai City, Osaka Isumigaseki 1-chome, Chiyoda-ku, Tokyo 1008921, JAPAN in, to, and under said invention and any Letters Patent that and all foreign countries;
	ASSIGNEE to A good and value right, title, and said applicatio which the sam the rights accr	ASSIGNOR of the sum of One Dollar (\$1.00), table consideration, ASSIGNOR hereby sells, d interest to the said invention and all Letter on or any continuation, division, renewal, sune may be granted; and all Letters Patent and	e it known that in consideration of the payment by the receipt of which is hereby acknowledged, and for other assigns, and transfers to ASSIGNEE the full and exclusive as Patent of the United States to be obtained therefore on abstitute, or reissue thereof for the full term or terms for dapplications therefore through the world, including all ion for the Protection of Industrial Property or other
		reby covenants that no assignment, sale, agr which would conflict with this assignment ar	reement, or encumbrance has been or will be made or and sale;
	documents rel ASSIGNOR and and deliver to for, obtain, ma	lating to said application, said invention, and d will testify as to the same in any interferer ASSIGNEE or its legal representative any ar	s request, be provided promptly with all pertinent facts and d said Letters Patent as may be known and accessible to ace or litigation related thereto and will promptly execute ad all papers, instruments, or affidavits required to apply vention, and said Letters Patent which may be necessary or
	I hereby ackno fine or impriso	owledge that any willful false statement mad onment of not more than five (5) years, or b	de in this declaration is punishable under 18 U.S.C. 1001 by oth.
	LEGAL NAME	OF FIRST INVENTOR/ASSIGNOR	
	Inventor: <u>GO</u>	TOH, Toshihisa	Date:
	Signature:		

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	
Inventor: YOSHIDA, Toshio	Date:
Signature:	
LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	
Inventor: KANAZAWA, Yoshinobu	Date:
Signature:	
LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
Inventor: NAKASHIMA, Yoshimitsu	Date:
Signature:	1P4 Alt.
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
Inventor: KOBAYASHI, Kohji	Date:
Signature:	
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	
Inventor: FUKAI, Toshio	Date: 216/09/20
Signature: Toshio Fakar	
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Signature:	
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Inventor: OTA, Toshitaka	Date:
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LEGAL NAME OF FIRST INVENTOR/ASSIGNOR
Inventor: GOTOH, Toshihisa Date:
Signature:

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Inventor: YOSHIDA, Toshio	Date:	
Signature:		
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Signature:	_	
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Signature:		
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	*********	
Inventor: KOBAYASHI, Kohji	Date:	
Signature:	-	
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Inventor: AOKI, Hitoshi	Date:	
Signature:		
LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR		
Inventor: NAGAMUNE, Yasushi	Date:	September 13.2016
Signature: Massilla Nagarum		
LEGAL NAME OF NINTH INVENTOR ASSIGNOR		
Inventor: TOKIZAKI, Takashi	Date:	September 13.2016
Signature: Jakashi Tokizaki		
LEGAL NAME OF TENTH INVENTOR/ASSIGNOR	····	
Inventor: OTA, Toshitaka	Date:	September 13.2016
Signature: Foshitska Ota		

RECORDED: 10/13/2016