Please record the attached document.  Total number of pages including cover sheet, attachments, and document: 4  1. A. Name of conveying parties: (1) Yasuhiro SAWADA (2) Takchiro MINATO (3) Takchiro MINATO (3) Takashi MASUDA  B. Additional name(s) of conveying party(ies) attached?    Yes   No	COMMERCE ademark Office
1. A. Name of conveying parties: (1) Yasuhiro SAWADA (2) Takashi MASUDA B. Additional name(s) of conveying party(ies) attached? □ Yes ☒ No  3. A. Nature of conveyance: □ Assignment □ Merger □ Security Agreement □ Change of Name □ Other □ B. Execution Date: May 19, 2010-ALL  4. A. Patent Application: SOLID-STATE IMAGE SENSOR AND IMAGING APPARATUS THE SAME  5. Name and address of receiving party:  2. A. Name and address of receiving party:  ACUTELOGIC CORPORATIC STH FLOOR OF PMO HATCH BLDG. 3-22-13, HATCHOBORI CHUO-KU, TOKYO 104-0032 JAPAN  B. Additional name(s) & address(es) attached? □ Yes ☑ No  C. Title of Application: SOLID-STATE IMAGE SENSOR AND IMAGING APPARATUS THE SAME  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: James A. Oliff  7. Please charge Deposit Account No. total fee (37 CFR 3.41) in the amount deposit account number 15-0461.	4
(1) Yasuhiro SAWADA (2) Takehiro MINATO (3) Takashi MASUDA  B. Additional name(s) of conveying party(ies) attached?    Yes   No	·
3. A. Nature of conveyance:  Assignment	IION CHOBORI
4. A. Patent Application No. 12/747,791  B. Patent No.(s)  Additional numbers attached? ☐ Yes ☒ No  C. Title of Application: SOLID-STATE IMAGE SENSOR AND IMAGING APPARATUS IN THE SAME  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: James A. Oliff  7. Please charge Deposit Account No. total fee (37 CFR 3.41) in the amount Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400	ached? No
C. Title of Application:  SOLID-STATE IMAGE SENSOR AND IMAGING APPARATUS THE SAME  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: James A. Oliff  Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400  C. Total number of applications and patents involved to the property of the property	
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Name: James A. Oliff  Name: James A. Oliff  7. Please charge Deposit Account No. total fee (37 CFR 3.41) in the amount  Address: Oliff & Berridge, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400  8. Credit any overpayment or charge any undergoing deposit account number 15-0461.	S USING
Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400  total fee (37 CFR 3.41) in the amount  8. Credit any overpayment or charge any undergous deposit account number 15-0461.	involved: 1
P.O. Box 320850 deposit account number 15-0461.  Alexandria, VA 22320-4850 Phone Number: 703-836-6400	lo. 15-0461 the unt of \$ <u>40.00</u> .
Pax Number, 765 656 975.	derpayment to
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true original document.  Date: June 11, 2010  James A. Oliff, Registration No. 27,075  Justin T. Lingard, Registration No. 61,276	true copy of the

PATENT REEL: 024526 FRAME: 0870 A 770X 45

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ASSIGNMEN	٧I	ľ
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		(1) Yasuhiro SA	WADA	(5)		
(1-8)	Insert	(2) _ Takehiro MI	INATO	(6)	<u> </u>	
	Name(s) of Inventor(s)	(3) Takashi MA	SUDA	(7)		
		(4)		(8)		
		In consi paid to each of the u set over to	ideration of the sui ndersigned, each v	m of one dollar (\$1 undersigned agrees	.00) and other good and valuable considers to assign, and hereby does assign, trans	deration fer and
(9)	Insert Name of Assignee	(9) ACUTELOG	GIC CORPORATION	ON	<u>-</u>	
(10)	Insert Address of Assignee	(10) <u>5th Floor of</u>	PMO Hatchobori	Bldg, 3-22-13, Hat	chobori, Chuo-ku, Tokyo 104-0032 Jap	an
(11)	Insert Identification such as Title, Case	divisional, continuat reissues and reexami	ion, substitute, and nation certificates	d reissue application that may be grante	and all provisional, non-provisional, n(s), and all Letters Patent, extensions, d on the invention known as APPARATUS USING THE SAME	
	Number, or Foreign Application Number	(Attorney Docket No	145824			
		· · ·	igned has (have) e	xecuted an applica	tion for patent in the United States of A	merica
(12)	Insert Date of Signing of Application	(12) on		MAY. 1 9. 2010		
(13)	Alternative	(13) U.S. application	ı Serial Number	12/747,7	)1	
	Identification for filed applications	filed June 11	, 2010			

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees to execute 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.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Inventor Signature		(SEAL)
Date		Inventor Signature	asuhiro SAWADA	(SEAL)
Date	MAY. 1 9, 2010	Inventor Signature	Takashij On	(SEAL)
Date		Inventor Signature	akashi MASUDA	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature	, <u>-</u>	(SEAL)
Date	<del></del>	Inventor Signature	<del></del>	(SEAL)
Date		Inventor Signature		(SEAL)

PATENT REEL: 024526 FRAME: 0871

**₫**003/004

2 nd Inventor

ASSIGNMENT
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		(1) Yasuhiro SAWADA	(5)
(1-8)	Insert	(2) Takehiro MINATO	(6)
	Name(s) of Inventor(s)	(3) <u>Takashi MASUDA</u>	(7)
		(4)	(8)
		In consideration of the sum of paid to each of the undersigned, each understone to	of one dollar (\$1.00) and other good and valuable consideration lersigned agrees to assign, and hereby does assign, transfer and
(9)	Insert Name of Assignee	(9) ACUTELOGIC CORPORATION	I
(10)	Insert Address of Assignee	(10) 5th Floor of PMO Hatchobori Blo	dg, 3-22-13, Hatchobori, Chuo-ku, Tokyo 104-0032 Japan
(11)	Insert Identification such as Title, Case	invention, and in all applications for pate divisional, continuation, substitute, and reissues and reexamination certificates th	United States of America as defined in 35 U.S.C. §100, in the nt including any and all provisional, non-provisional, cissue application(s), and all Letters Patent, extensions, at may be granted on the invention known as AND IMAGING APPARATUS USING THE SAME
	Number, or Foreign Application Number	(Attorney Docket No. 145824	)
			cuted an application for patent in the United States of America
(12)	Insert Date of Signing of Application	(12) on	Y, 1 9, 2010
(13)	Alternative	(13) U.S. application Serial Number	12/747,791
	Identification for filed applications	filed June 11, 2010	

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
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- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Inventor Signature		(SEAL)
Date	MAY. 1 9, 2010	Inventor Signature	Yasuhiro SAWADA  Takehiro Minato Takehiro MINATO	(SEAL)
Date		Inventor Signature		(SEAL)
	<del>-</del>		Takashi MASUDA	
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)

PATENT REEL: 024526 FRAME: 0872 OLIFF & BERRIDGE, PLC

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1st Inventor

ASSIGNMEN	NT	
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Insert Name(s) of Inventor(s)	(3)	Takehiro MINATO  Takashi MASUDA	(6)(7)
	(4)	Takashi MASUDA	
	` ' '		
			(8)
	paid to set ove	each of the undersigned, each un	of one dollar (\$1.00) and other good and valuable consideration dersigned agrees to assign, and hereby does assign, transfer and
Insert Name of Assignee	(9)	ACUTELOGIC CORPORATION	N
Insert Address of Assignee	(10)	5th Floor of PMO Hatchobori B	ldg, 3-22-13, Hatchobori, Chuo-ku, Tokyo 104-0032 Japan
Insert Identification such as Title, Case	inventi divisio	on, and in all applications for pat- ual, continuation, substitute, and a and reexamination certificates the	ent including any and all provisional, non-provisional, reissue application(s), and all Letters Patent, extensions, nat may be granted on the invention known as
Number, or Foreign Application Number	(Attorn	ev Docket No. 145824	)
	for whi	th the undersigned has (have) exe	cuted an application for patent in the United States of America
Insert Date of Signing of Application	(12) on	NAY	. 1 9, 2010
Alternative	(13) U.	S. application Serial Number	12/747,791
dentification for iled applications	filed	June 11, 2010	
	Insert Address of Assignce  Insert Identification such as Title, Case  Number, or Foreign Application Number  Insert Date of Signing of Application  Alternative dentification for	Insert Address of Assignee  (10)  (hereins the enti- invention division reissues  (nsert Identification such as Title, Case  Number, or Foreign Application Number  (Attorners for which on even for which on even for the content on t	Insert Address of Assignee  (10) Sth Floor of PMO Hatchobori B  (hereinafter designated as the Assignee) the entire right, title and interest for the invention, and in all applications for pate divisional, continuation, substitute, and reissues and reexamination certificates the such as Title, Case  Number, or Foreign Application Number  (Attorney Docket No. 145824 for which the undersigned has (have) exercise on even date herewith or such as Title, Case  (12) on MAY  (13) U.S. application Serial Number dentification for Taxon 11, 2010

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	WAY. 1 9, 2010	Inventor Signature	<u>Vasshiros Sawada</u> Yasuhiro SAWADA	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature	Takehiro MINATO	(SEAL)
Date		Inventor Signature	Takashi MASUDA	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)

**PATENT** 

REEL: 024526 FRAME: 0873