PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Perry Heedley	06/24/2009
David Vieira	06/23/2009
Maoyou Sun	04/02/2009
James M. Little	04/04/2009

RECEIVING PARTY DATA

Name:	KeyEye Communications, Inc.	
Street Address:	9785 Goethe Rd.	
City:	Sacramento	
State/Country:	CALIFORNIA	
Postal Code:	95827	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	12012909
Application Number:	12284924

CORRESPONDENCE DATA

Fax Number: (206)903-8820

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (206) 903-8800

Email: ipdocket-se@dorsey.com
Correspondent Name: Dorsey & Whitney LLP
Address Line 1: 1420 Fifth Avenue

Address Line 2: Suite 3400

Address Line 4: Seattle, WASHINGTON 98101-4010

NAME OF SUBMITTER: Edward W. Bulchis

Total Attachments: 17

PATENT REEL: 023144 FRAME: 0202 \$80.00 1201290

PA 500945622 REEL: 02314

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Jun 24 09 12:56p Perry L Heedley (916)985-8664 p.1



10:	Marwan Hassoun, Ph	Hassoun, Ph.D. Perry L Heedley, Ph.D.		y, Ph.D.	
Fax:	(512) 716-8025	Pages	= 5 inc	luding cove	er sheet
Phone:	(512) 807-6605	Date:	6/24	/09	
Re:	Patent Assignment	cc;			, , , , , , , , , , , , , , , , , , , ,
☐ Urgent	X For Review	☐ Please Comment	□ Plea	se Reply	☐ Please Recycle
• Comme	ents:				
Marwan,					
	ne signed patent assign ne original via US mail	nent, as we discussed ov ater this week.	er email.		
Best Reg Perry	ards,				

The undersigned, Perry Heedley, David Vieira, Maoyou Sun and James M. Little, (collectively, "Assignors") have invented and wish to assign the inventions and improvements described and disclosed in the Patent described below (the "Inventions") and KeyEye Communications, Inc., a Delaware corporation ("Assignee"), desires to acquire the entire right, title and interest in and to the assets and rights convey, assigned, and transferred pursuant to this Assignment of Patent Rights, made effective as of March 13, 2009 (this "Assignment").

Therefore, for valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby irrevocably and unconditionally convey, assign, and transfer to Assignee, the full extent of their right, title, and interest in and to any and all of the following (the "Rights"):

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 or issued with respect to the Inventions, as well as any and all divisions, continuations (in whole or in
 part), substitutions, renewal, or other applications claiming priority rights from the Patents or
 Inventions (the "Patents");
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 the Patents including, without limitation, certificates of invention, utility models, industrial design
 protection, design patent protection, and other governmental grants or issuances, and including the
 right to file foreign applications directly in the name of Assignee;
- The right to claim priority rights deriving from the Patents and for Assignee to otherwise avail itself of the provisions of the international conventions governing the protection of inventions;
- All causes of action, remedies and other enforcement rights related to the Inventions and the Patents (including, without limitation, the right to sue for past, present or future infringement, misappropriation or violation of rights related to the Inventions and the Patents);
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- All documents related to the conception, diligence and reduction to practice of the Inventions and all
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P	a	ter	nt	0 r	

Application No.	Country	Filing Date	Title of Patent and First Named Inventor
12/012,909	US	2/5/2008	A low spur PLL architecture
			James M. Little
12/284,924	US	9/25/2008	Low spur phase-locked loop architecture
			James M. Little

Assignors will not execute any writing or do any act conflicting with this Assignment of Patent Rights and, will execute all documents and do such additional acts as Assignce deems necessary to: perfect enjoyment

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of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignee shall compensate Assignors for any reasonable, documented disbursements and time incurred in connection with providing assistance under this paragraph under a standard billable hour rate of Assignors.

Assignors request the respective patent office or governmental agency in each jurisdiction to grant or issue any and all letters patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Rights in the name of Assignee, as Assignee to the entire interest therein.

A copy of this Assignment will be deemed a full legal and formal equivalent of any document that may be required in any country as proof of the right of Assignce to apply for patent or other protection for any Inventions and to claim the benefit of the right of priority thereto. Assignors grant to Assignce the right, power and authority to insert in this Assignment of Patent Rights any further information or identification that may be necessary or desirable to comply with the applicable rules and procedures for recordation of this Assignment of Patent Rights, or perfecting its benefit, throughout the world.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors or assigns, and anyone properly designated by them and will be binding upon Assignors, their successors or assigns, and anyone properly designated by them.

ASSIGNOR:

ASSIGNOR:

s M. L	ittle, Signature MUST be attested)
The Righ	ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746 undersigned witnessed the signature of James M. Little to the above Assignment of Pater at the on behalf of James M. Little and makes the following statements:
l. if ca	I am over the age of 18 and competent to testify as to the facts in this Attestation bloc lled upon to do so.
2. evide Pater	James M. Little is personally known to me (or proved to me on the basis of satisfactor ence) and appeared before me on, 2009 to execute the above Assignment on Rights on behalf of James M. Little.
3. Jame	James M. Little subscribed to the above Assignment of Patent Rights on behalf on the S. M. Little.
state	clare under penalty of perjury under the laws of the United States of America that the ments made in the three (3) numbered paragraphs immediately above are true and correct. CUTED on(date)

(Perry Heediey, Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Perry Heedley to the above Assignment of Patent Rights on behalf of Perry Heedley and makes the following statements:

- 1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
- 2. Perry Heedley is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on $\frac{6}{44}$, 2009 to execute the above Assignment of Patent Rights on behalf of Perry Heedley.
- 3. Perry Heedley subscribed to the above Assignment of Patent Rights on behalf of Perry Heedley.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct, EXECUTED on 6/24/2009 (date)

Prip Name: Patrick Isakanian

ASSIGNOR:

(David Vicira, Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of David Vieira to the above Assignment of Patent Rights on behalf of David Vieira and makes the following statements:

- 1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

3. David Vieira subscribed to the above Assignment of Patent Rights on behalf of David Vieira.
I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct. EXECUTED on(date)
Print Name:
ASSIGNOR:
(Maoyou Sun, Signature MUST be attested)
ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746 The undersigned witnessed the signature of Maoyou Sun to the above Assignment of Patent Rights on behalf of Maoyou Sun and makes the following statements:
1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Maoyou Sun is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on
3. Maoyou Sun subscribed to the above Assignment of Patent Rights on behalf of Maoyou Sun.
I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct. EXECUTED on(date)
Print Name:

Jun 24 09 12:56p Perry L Heedley

(916)985**-**8664 p.5

The undersigned, Perry Heedley, David Vieira, Maoyou Sun and James M. Little, (collectively, "Assignors") have invented and wish to assign the inventions and improvements described and disclosed in the Patent described below (the "Inventions") and KeyEye Communications, Inc., a Delaware corporation ("Assignee"), desires to acquire the entire right, title and interest in and to the assets and rights convey, assigned, and transferred pursuant to this Assignment of Patent Rights, made effective as of March 13, 2009 (this "Assignment").

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- All reissues, requests for continuing examinations, reexaminations, extensions or registrations of the
- All non-United States patents, patent applications, and counterparts with respect of the Inventions and the Patents including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances, and including the right to file foreign applications directly in the name of Assignee;
- The right to claim priority rights deriving from the Patents and for Assignee to otherwise avail itself of the provisions of the international conventions governing the protection of inventions;
- All causes of action, remedies and other enforcement rights related to the Inventions and the Patents (including, without limitation, the right to sue for past, present or future infringement, misappropriation or violation of rights related to the Inventions and the Patents);
- All rights to collect royalties and other payments under or on account of any of the Inventions and the
- Any and all other rights and interests arising out of, in connection with, or in relation to the Inventions and the Patents; and
- All documents related to the conception, diligence and reduction to practice of the Inventions and all domestic and international patent filing documents.

Patent or

Application No.	Country	Filing Date	Title of Patent and First Named Inventor
12/012,909	US	2/5/2008	A low spur PLL architecture
		•	James M. Little
12/284,924	US	9/25/2008	Low spur phase-locked loop architecture
			James M. Little

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A copy of this Assignment will be deemed a full legal and formal equivalent of any document that may be required in any country as proof of the right of Assignee to apply for patent or other protection for any Inventions and to claim the benefit of the right of priority thereto. Assignors grant to Assignee the right, power and authority to insert in this Assignment of Patent Rights any further information or identification that may be necessary or desirable to comply with the applicable rules and procedures for recordation of this Assignment of Patent Rights, or perfecting its benefit, throughout the world.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors or assigns, and anyone properly designated by them and will be binding upon Assignors, their successors or assigns, and anyone properly designated by them.

ASSIGNOR:

ASSIGNOR:

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James M. Little, Signature MUST be attested)	- V V			٠	
ATTESTATION OF SI The undersigned witnessed the signature Rights on behalf of James M. Little and	e of James M.	Little to	the above		
1. I am over the age of 18 and comif called upon to do so.	apetent to testi	fy as to t	he facts in	this Attest	ation block
 James M. Little is personally kn evidence) and appeared before me on Patent Rights on behalf of James M. Litt 		proved t 2009 to e	o me on the execute the	ne basis of above Ass	satisfactory signment of
3. James M. Little subscribed to James M. Little.	the above As	signmen	t of Paten	t Rights or	n behalf of
I declare under penalty of perjury und statements made in the three (3) number EXECUTED on	ed paragraphs	f the Un immedia	ited States tely above	s of Amer are true at	ica that the nd correct.
Print Name:	N.				

(Perry Heedley, Signature MUST be attested)

03

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746
The undersigned witnessed the signature of Perry Heedley to the above Assignment of Patent
Rights on behalf of Perry Heedley and makes the following statements:
1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
 Pcrry Heedley is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on
 Perry Heedley subscribed to the above Assignment of Patent Rights on behalf of Perry Heedley.
I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct. EXECUTED on(date)

ASSIGNOR:

Print Name:

(David Vieira, Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of David Vieira to the above Assignment of Patent Rights on behalf of David Vieira and makes the following statements:

- 1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
- 2. David Vieira is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on June 23, 2009 to execute the above Assignment of Patent Rights on behalf of David Vieira.

06/23/2009 19:58

03

PATENT REEL: 023144 FRAME: 0212

PAGE

04/04

The undersigned, Perry Heedley, David Vieira, Maoyou Sun and James M. Little, (collectively, "Assignors") have invented and wish to assign the inventions and improvements described and disclosed in the Patent described below (the "Inventions") and KeyEye Communications, Inc., a Delaware corporation ("Assignee"), desires to acquire the entire right, title and interest in and to the assets and rights convey, assigned, and transferred pursuant to this Assignment of Patent Rights, made effective as of March 13, 2009 (this "Assignment").

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12/012,909	US	2/5/2008	A low spur PLL architecture
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ASSIGNOR:

Jam	es M. Little, Signature MUST be attested)
	ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746 The undersigned witnessed the signature of James M. Little to the above Assignment of Paten Rights on behalf of James M. Little and makes the following statements:
	1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
	2. James M. Little is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on
	 James M. Little subscribed to the above Assignment of Patent Rights on behalf of James M. Little.
	I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct. EXECUTED on(date)
	Daint Nome

ASSIGNOR:
(Perry Heedley, Signature MUST be attested)
ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746 The undersigned witnessed the signature of Perry Heedley to the above Assignment of Patent
Rights on behalf of Perry Heedley and makes the following statements: 1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Perry Heedley is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on
 Perry Heedley subscribed to the above Assignment of Patent Rights on behalf of Perry Heedley.
I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct. EXECUTED on(date)
Print Name:
ASSIGNOR:
(David Vieira, Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746
The undersigned witnessed the signature of David Vieira to the above Assignment of Patent Rights on behalf of David Vieira and makes the following statements:

I. I am over the age of 18 and competent to testify as to the facts in this Attestation being a called upon to do so.	lock
2. David Vieira is personally known to me (or proved to me on the basis of satisfactive evidence) and appeared before me on	tory
 David Vieira subscribed to the above Assignment of Patent Rights on behalf of D Vieira. 	avid
I declare under penalty of perjury under the laws of the United States of America that statements made in the three (3) numbered paragraphs immediately above are true and corresEXECUTED on(date)	the ct.
Print Name:	
ASSIGNOR:	
24 5.	
(Maoyou Sun, Signature MUST be attested)	
ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746	
The undersigned witnessed the signature of Maoyou Sun to the above Assignment of Pa Rights on behalf of Maoyou Sun and makes the following statements:	itent
1. I am over the age of 18 and competent to testify as to the facts in this Attestation b if called upon to do so.	lock
2. Maoyou Sun is personally known to me (or proved to me on the basis of satisfaction evidence) and appeared before me on 2001 2, 2009 to execute the above Assignment Patent Rights on behalf of Maoyou Sun.	
 Maoyou Sun subscribed to the above Assignment of Patent Rights on behal Maoyou Sun. 	f of
I declare under penalty of perjury under the laws of the United States of America that statements made in the three (3) numbered paragraphs immediately above are true and correct EXECUTED on April 2-, 2009 (date)	
Print Name: YAN YU	

The undersigned, Perry Heedley, David Vicira, Maoyou Sun and James M. Little, (collectively, "Assignors") have invented and wish to assign the inventions and improvements described and disclosed in the Patent described below (the "Inventions") and KeyEye Communications, Inc., a Delaware corporation ("Assignee"), desires to acquire the entire right, title and interest in and to the assets and rights convey, assigned, and transferred pursuant to this Assignment of Patent Rights, made effective as of March 13, 2009 (this "Assignment").

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- All rights to collect royalties and other payments under or on account of any of the Inventions and the Patents:
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Patent or

Application No.	Country	Filing Date	Title of Patent and First Named Inventor
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	1		_
	i		James M. Little
12/284,924	US	9/25/2008	Low spur phase-locked loop architecture
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ASSIGNOR:

nes M. Little, Signature MUST be attested)

<u>ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746</u>

The undersigned witnessed the signature of James M. Little to the above Assignment of Patent Rights on behalf of James M. Little and makes the following statements:

- I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
- James M. Little is personally known to me (or proved to me on the basis of satisfactory 2. evidence) and appeared before me on Appl 4 , 2009 to execute the above Assignment of Patent Rights on behalf of James M. Little.
- James M. Little subscribed to the above Assignment of Patent Rights on behalf of 3. James M. Little.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct. EXECUTED on Apr. 1 4 ZOO (date)

Print Name: <u>Metody</u> Stiles

PATENT

REEL: 023144 FRAME: 0218

ASSIGNOR:
(Perry Heedley, Signature MUST be attested)
A TERCT A TION OR SECTION DUDGE BUILDING TO SO MESS SEAR
ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746 The undersigned witnessed the signature of Perry Heedley to the above Assignment of Patent Rights on behalf of Perry Heedley and makes the following statements:
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Print Name:
ASSIGNOR:

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(David Vieira, Signature MUST be attested)

l. I am over if called upon to d	the age of 18 and competent to testify as to the facts in this Attestation block o so.
evidence) and app	eira is personally known to me (or proved to me on the basis of satisfactory eared before me on
 David Vie Vicira. 	ira subscribed to the above Assignment of Patent Rights on behalf of David
statements made in	enalty of perjury under the laws of the United States of America that the three (3) numbered paragraphs immediately above are true and correct. (date)
Print Name:	
ASSIGNOR:	
(Maoyou Sun, Signature M	UST be attested)
The undersigned v	TESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746 vitnessed the signature of Maoyou Sun to the above Assignment of Patent f Maoyou Sun and makes the following statements:
 I am over if called upon to de 	the age of 18 and competent to testify as to the facts in this Attestation block o so.
evidence) and app	un is personally known to me (or proved to me on the basis of satisfactory eared before me on
3. Maoyou ⁵ Maoyou Sun.	Sun subscribed to the above Assignment of Patent Rights on behalf of
statements made in	enalty of perjury under the laws of the United States of America that the three (3) numbered paragraphs immediately above are true and correct. (date)
Print Name	

RECORDED: 08/25/2009