

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3210554

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ADD BACK INVENTOR (BING ZHANG) OMITTED previously recorded on Reel 034701 Frame 0047. Assignor(s) hereby confirms the ASSIGNMENT.
<b>RESUBMIT DOCUMENT ID:</b>	503137820
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIONG HUANG	05/08/2013
YUAN CHEN	05/15/2013
TIESHAN LIU	05/15/2013
LIANGHAI LI	05/16/2013
BING ZHANG	05/15/2013
JIAN ZHU	05/16/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SILICON IMAGE, INC.
<b>Street Address:</b>	1140 EAST ARQUES AVENUE
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94085
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14570817
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)938-5200
<i>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.</i>	
<b>Phone:</b>	650-988-5800
<b>Email:</b>	lluce@fenwick.com
<b>Correspondent Name:</b>	FENWICK & WEST LLP
<b>Address Line 1:</b>	801 CALIFORNIA STREET
<b>Address Line 4:</b>	MOUNTAIN VIEW, CALIFORNIA 94041
<b>ATTORNEY DOCKET NUMBER:</b>	30850-28199/US
<b>NAME OF SUBMITTER:</b>	GOUTHAM KONDAPALLI, REG NO: 71,166
<b>SIGNATURE:</b>	/Goutham Kondapalli/

<b>DATE SIGNED:</b>	02/03/2015
<b>Total Attachments: 5</b> source=28199 US Notice of Recordation and Assignment2014-01-14#page1.tif source=28199 US Notice of Recordation and Assignment2014-01-14#page2.tif source=28199 US Notice of Recordation and Assignment2014-01-14#page3.tif source=28199 US Notice of Recordation and Assignment2014-01-14#page4.tif source=28199 US Notice of Recordation and Assignment2014-01-14#page5.tif	

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3162391

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE ADDRESS AND FIRST INVENTOR LAST NAME previously recorded on Reel 034576 Frame 0484. Assignor(s) hereby confirms the ASSIGNMENT.												
<b>CONVEYING PARTY DATA</b>													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>JIONG HUANG</td><td>05/08/2013</td></tr><tr><td>YUAN CHEN</td><td>05/15/2013</td></tr><tr><td>TIESHAN LIU</td><td>05/15/2013</td></tr><tr><td>LIANGHAI LI</td><td>05/16/2013</td></tr><tr><td>JIAN ZHU</td><td>05/16/2013</td></tr></tbody></table>	Name	Execution Date	JIONG HUANG	05/08/2013	YUAN CHEN	05/15/2013	TIESHAN LIU	05/15/2013	LIANGHAI LI	05/16/2013	JIAN ZHU	05/16/2013	
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<b>ATTORNEY DOCKET NUMBER:</b>	30850-28199/US												
<b>NAME OF SUBMITTER:</b>	GOUTHAM KONDAPALLI, REG NO: 71,166												
<b>SIGNATURE:</b>	/Goutham Kondapalli/												
<b>DATE SIGNED:</b>	12/24/2014												
Total Attachments: 5													

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the below-named inventor(s):

**JIONG HUANG; YUAN CHEN; TIESHAN LIU; LIANGHAI LI; BING ZHANG; JIAN ZHU**

hereby sell, assign, and transfer to

**Silicon Image, Inc.**

a Corporation of Delaware, having a principal place of business at 1140 East Arques Avenue, Sunnyvale, California 94085 United States ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

### **MECHANISM FOR FACILITATING DYNAMIC PHASE DETECTION WITH HIGH JITTER TOLERANCE FOR IMAGES OF MEDIA STREAMS**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 14/115,324 filed November 1, 2013

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

05/08/2013

Date

*Jiong Huang*  
Name: JIONG HUANG

05/15/2013

Date

*Yuan Chen*  
Name: YUAN CHEN

05/15/2013

Date

*Tieshan Liu*  
Name: TIESHAN LIU

05/16/2013

Date

*Li Lianghai*  
Name: LIANGHAI LI

05/15/2013

Date

*Bing Zhang*  
Name: BING ZHANG

05/16/2013

Date

*Jian Zhu*  
Name: JIAN ZHU

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Date

Name:

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
1279 Oakmead Parkway  
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