

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4183165

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CISTA SYSTEM CORP.	12/12/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SPD SILICON VALLEY BANK CO., LTD.
<b>Street Address:</b>	NO. 518 KUN MING ROAD
<b>Internal Address:</b>	3/F, BLOCK A, NORTH AMERICA PLAZA
<b>City:</b>	SHANGHAI
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	2000082
<b>PROPERTY NUMBERS Total: 10</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14560371
Application Number:	14561015
Application Number:	14664614
Application Number:	14853948
Application Number:	14843995
Application Number:	14483383
Application Number:	14536632
Application Number:	14562752
Application Number:	15211936
Application Number:	62157636
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(404)885-3900
<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>	4048853868
<b>Email:</b>	rusty.close@troutmansanders.com
<b>Correspondent Name:</b>	CHRISTOPHER CLOSE
<b>Address Line 1:</b>	TROUTMAN SANDERS LLP
<b>Address Line 2:</b>	600 PEACHTREE STREET NE, SUITE 5200
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30308-2216

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	220763.002177
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER CLOSE
<b>SIGNATURE:</b>	/Christopher Close/
<b>DATE SIGNED:</b>	12/13/2016

**Total Attachments: 10**

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT ("Agreement") is entered into as of 12 December, 2016 by and between SPD SILICON VALLEY BANK CO., LTD. ("Bank") and CISTA SYSTEM CORP. ("Grantor").

### RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation (the "Loans") to CISTA (HONG KONG) LIMITED ("Borrower") in the amounts and manner set forth in that certain Facility Agreement by and between Bank and Borrower dated as of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement).

B. Grantor has agreed to guarantee Borrower's obligations under the Loan Agreement pursuant to that certain Guarantee Agreement by Grantor in favor of Bank dated as of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Guaranty").

C. Bank is willing to make the Loans to Borrower, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations under the Guaranty.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Guaranty, Grantor hereby represents, warrants, covenants and agrees as follows:

### AGREEMENT

1. Grant of Security Interest. To secure its obligations under the Guaranty, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto and any patents and patent applications claiming the priority benefit of the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Recordation. Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this Agreement upon request by Bank.

3. Authorization. Grantor hereby authorizes Bank to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property Collateral which Grantor obtains subsequent to the date of this Agreement, and (b) file a duplicate original of this Agreement containing amended exhibits reflecting such new Intellectual Property Collateral.

4. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Guaranty, which is hereby incorporated by reference. The provisions of the Guaranty shall supersede and control over any conflicting or inconsistent provision herein. The

rights and remedies of Bank with respect to the Intellectual Property Collateral are as provided by the Guaranty and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

5. Execution in Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or in electronic (i.e., "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Agreement.

6. Successors and Assigns. This Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

7. Governing Law. This Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of California, without giving effect to any choice or conflict of law provision or rule (whether of the State of California or any other jurisdiction).

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

CISTA SYSTEM CORP.

By: 

Name: ZHENG DU

Title: CEO

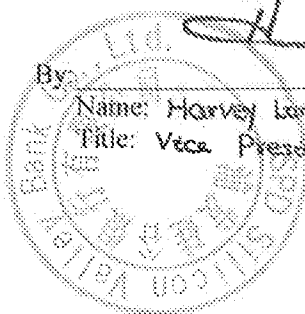
BANK:

SPD SILICON VALLEY BANK CO., LTD.

By: 

Name: Harvey Lam

Title: Vice President, Head of Risk Management



[Signature Page to Intellectual Property Security Agreement]

EXHIBIT A

Copyrights

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
None		

EXHIBIT B

Patents

Description	Application Number	Registration Number
Method and System for Generating a Ramping Signal	14/560,371 (12/04/2014)	
Column Comparator System and Method for Comparing a Ramping Signal and an Input Signal	14/561,015 (12/04/2014)	
Image Sensor Pixel Structure with Optimized Uniformity	14/664,614 (03/20/2015)	
Single Chip Image Sensor with Both Visible Light Image and Ultraviolet Light Detection Ability and the Methods to Implement the Same	14/853,948 (09/14/2015)	
Multimedia Data Processing Device, User Terminal, and Multimedia Data Processing Server	14/843,995 (09/03/2015)	
Compact Row Decoder with Multiple Voltage Support	14/483,383 (11/11/2014)	
Voltage Regulator with Multiple Output Ranges	14/536,632 (11/09/2014)	



Description	Application Number	Registration Number
Integrated Circuit having Flexible Reference	14/562,752 (12/07/2014)	
System, Method, and Apparatus for Generating a Ramp Signal with a Changing Slope	15/211,936	
Backside Illuminated CMOS Image Sensor Arrays	62/157,636	

EXHIBIT C

Trademarks

Description	Registration/ Application Number	Registration/ Application Date
None		

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EXHIBIT D

Mask Works

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
None		

9/15/88

