

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4205364

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                                                               |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                                                   |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                                                              |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                                                        |
| HUI SU                                                                                                                                                                                          | 12/19/2016                                                                   |
| XIN LI                                                                                                                                                                                          | 12/19/2016                                                                   |
| QINGXIAO YU                                                                                                                                                                                     | 12/19/2016                                                                   |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                                                              |
| <b>Name:</b>                                                                                                                                                                                    | HISENSE ELECTRIC CO., LTD.                                                   |
| <b>Street Address:</b>                                                                                                                                                                          | NO. 218, QIANWANGANG ROAD, ECONOMIC AND TECHNICAL DEVELOPMENT ZONE, SHANDONG |
| <b>City:</b>                                                                                                                                                                                    | QINGDAO                                                                      |
| <b>State/Country:</b>                                                                                                                                                                           | CHINA                                                                        |
| <b>Postal Code:</b>                                                                                                                                                                             | 266555                                                                       |
| <b>Name:</b>                                                                                                                                                                                    | HISENSE USA CORPORATION                                                      |
| <b>Street Address:</b>                                                                                                                                                                          | 7310 MCGINNIS FERRY ROAD                                                     |
| <b>City:</b>                                                                                                                                                                                    | SUWANEE                                                                      |
| <b>State/Country:</b>                                                                                                                                                                           | GEORGIA                                                                      |
| <b>Postal Code:</b>                                                                                                                                                                             | 30024                                                                        |
| <b>Name:</b>                                                                                                                                                                                    | HISENSE INTERNATIONAL CO., LTD.                                              |
| <b>Street Address:</b>                                                                                                                                                                          | NO. 218, QIANWANGANG ROAD, ECONOMIC AND TECHNICAL DEVELOPMENT ZONE, SHANDONG |
| <b>City:</b>                                                                                                                                                                                    | QINGDAO                                                                      |
| <b>State/Country:</b>                                                                                                                                                                           | CHINA                                                                        |
| <b>Postal Code:</b>                                                                                                                                                                             | 266555                                                                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                                                              |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                                                                |
| <b>Application Number:</b>                                                                                                                                                                      | 15394716                                                                     |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                                                              |
| <b>Fax Number:</b>                                                                                                                                                                              | (949)660-0809                                                                |
| <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> |                                                                              |
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|                            |                          |
|----------------------------|--------------------------|
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|                                |          |
|--------------------------------|----------|
| <b>ATTORNEY DOCKET NUMBER:</b> | LPTF2346 |
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|---------------------------|--------------|
| <b>NAME OF SUBMITTER:</b> | JIAWEI HUANG |
|---------------------------|--------------|

|                   |                |
|-------------------|----------------|
| <b>SIGNATURE:</b> | /JIAWEI HUANG/ |
|-------------------|----------------|

|                     |            |
|---------------------|------------|
| <b>DATE SIGNED:</b> | 12/29/2016 |
|---------------------|------------|

|  |                                                            |
|--|------------------------------------------------------------|
|  | This document serves as an Oath/Declaration (37 CFR 1.63). |
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**Total Attachments: 3**

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## ASSIGNMENT WITH DECLARATION

WHEREAS, the undersigned Inventors:

- (1) SU, Hui;
- (2) LI, Xin;
- (3) YU, Qingxiao

have invented certain new and useful improvements as described and set forth in the below identified application for United States Patent:

Title: METHOD FOR DETECTING TERMINAL STATIC LAYER INFORMATION, TERMINAL AND TELEVISION

[ ] Filed on: \_\_\_\_\_ Serial No.: \_\_\_\_\_  
[X] Executed concurrently with the execution of this instrument

WHEREAS (1) Hisense Electric Co., Ltd. (hereinafter termed "Assignee"), a corporation  
residing at No.218 Qianwangang Road, Economic and Technical Development Zone, Qingdao,  
Shandong, P.R.C. 266555  
(2) HISENSE USA CORPORATION (hereinafter termed "Assignee"), a  
residing at corporation  
No.7310 McGinnis Ferry Road, Suwanee, GA, U.S.A. 30024  
(3) Hisense International Co., Ltd.  
residing at (hereinafter termed "Assignee"), a corporation  
No.218 Qianwangang Road, Economic and Technical Development Zone, Qingdao,  
Shandong, P.R.C. 266555

desires to acquire the entire right, title, and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or disclosed jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division,

substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefore and any patents granted Thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

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 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.

Full name of the first inventor: SU, Hui

The first inventor's signature: SU, Hui

Date: 2016.12.19

Full name of the second inventor: LI, Xin

The second inventor's signature: LI, Xin

Date: 2016.12.19

Full name of the third inventor: YU, Qingxiao

The third inventor's signature: YU, Qingxiao [Signature] Date: 2016.12.19