

## PATENT ASSIGNMENT

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| SUBMISSION TYPE:   | NEW ASSIGNMENT                  |               |                |                         |            |               |            |
|--|---------------------------------|---------------|----------------|-------------------------|------------|---------------|------------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                      |               |                |                         |            |               |            |
| CONVEYING PARTY DATA   |                                 |               |                |                         |            |               |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Seshasayee S. Ankireddi</td> <td>04/26/2012</td> </tr> <tr> <td>Lynn K. Wiese</td> <td>04/26/2012</td> </tr> </tbody> </table> |                                 | Name          | Execution Date | Seshasayee S. Ankireddi | 04/26/2012 | Lynn K. Wiese | 04/26/2012 |
| Name   | Execution Date                  |               |                |                         |            |               |            |
| Seshasayee S. Ankireddi  | 04/26/2012                      |               |                |                         |            |               |            |
| Lynn K. Wiese  | 04/26/2012                      |               |                |                         |            |               |            |
| RECEIVING PARTY DATA   |                                 |               |                |                         |            |               |            |
| Name:  | INTERSIL AMERICAS LLC           |               |                |                         |            |               |            |
| Street Address:  | 1001 Murphy Ranch Road          |               |                |                         |            |               |            |
| City:  | Milpitas                        |               |                |                         |            |               |            |
| State/Country:   | CALIFORNIA                      |               |                |                         |            |               |            |
| Postal Code:   | 95035                           |               |                |                         |            |               |            |
| PROPERTY NUMBERS Total: 1  |                                 |               |                |                         |            |               |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13460594</td> </tr> </tbody> </table>  |                                 | Property Type | Number         | Application Number:     | 13460594   |               |            |
| Property Type  | Number                          |               |                |                         |            |               |            |
| Application Number:  | 13460594                        |               |                |                         |            |               |            |
| CORRESPONDENCE DATA  |                                 |               |                |                         |            |               |            |
| Fax Number:  | 4153699665                      |               |                |                         |            |               |            |
| Phone:   | 415-369-9660                    |               |                |                         |            |               |            |
| Email:   | hkim@vierramagen.com            |               |                |                         |            |               |            |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>  |                                 |               |                |                         |            |               |            |
| Correspondent Name:  | Jeffrey R. Kurin                |               |                |                         |            |               |            |
| Address Line 1:  | 575 Market Street               |               |                |                         |            |               |            |
| Address Line 2:  | Suite 2500                      |               |                |                         |            |               |            |
| Address Line 4:  | San Francisco, CALIFORNIA 94105 |               |                |                         |            |               |            |
| ATTORNEY DOCKET NUMBER:  | ELAN-01278US1                   |               |                |                         |            |               |            |
| NAME OF SUBMITTER:   | Jeffrey R. Kurin                |               |                |                         |            |               |            |
| Total Attachments: 3<br>source=ELAN-01278US1-Assignment-signed#page1.tif<br>source=ELAN-01278US1-Assignment-signed#page2.tif<br>source=ELAN-01278US1-Assignment-signed#page3.tif   |                                 |               |                |                         |            |               |            |

CH \$40.00 13460594

## JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

(1) Seshasayee S. Ankireddi,  
a resident of San Jose, California; and  
(2) Lynn K. Wiese,  
a resident of Santa Clara, California

have invented certain new and useful improvements in:

### OPTOELECTRONIC APPARATUSES WITH POST-MOLDED REFLECTOR CUPS AND METHODS FOR MANUFACTURING THE SAME

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention, said application being filed herewith, and said invention claiming priority to U.S. Provisional Application No. 61/603,186, filed February 24, 2012.

WHEREAS INTERSIL AMERICAS LLC (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 1001 Murphy Ranch Road, Milpitas, California, 95035, wishes 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 discovered 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 therefor 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.

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date as given below and delivered this instrument to said Assignee:

4/26/2012  
Date \_\_\_\_\_  
State of California  
County of Santa Clara  
Seshasayee S. Ankireddi

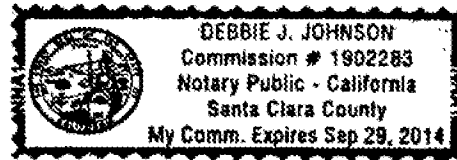
On 26-Apr-2012 before me, Debbie J. Johnson, Notary  
(name and title of officer)

personally appeared Seshasayee S. Ankireddi, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Debbie Johnson



Date April 26, 2012

Lynn K. Wiese  
Lynn K. Wiese

State of California

County of Santa Clara

On 26-Apr-2012 before me, Debbie J. Johnson, Notary  
(name and title of officer)

personally appeared Lynn K. Wiese, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Debbie Johnson

