

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4049058

|                                   |                                                                                                                                                               |                       |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>           | CORRECTIVE ASSIGNMENT                                                                                                                                         |                       |
| <b>NATURE OF CONVEYANCE:</b>      | Corrective Assignment to correct the SIGNATURE PAGE previously recorded on Reel 039490 Frame 0701. Assignor(s) hereby confirms the SIGNATURE PAGE IS CORRECT. |                       |
| <b>CONVEYING PARTY DATA</b>       |                                                                                                                                                               |                       |
| <b>Name</b>                       |                                                                                                                                                               | <b>Execution Date</b> |
| FREESCALE SEMICONDUCTOR, INC.     |                                                                                                                                                               | 08/16/2016            |
| <b>RECEIVING PARTY DATA</b>       |                                                                                                                                                               |                       |
| <b>Name:</b>                      | VLSI TECHNOLOGY LLC                                                                                                                                           |                       |
| <b>Street Address:</b>            | 1209 ORANGE STREET                                                                                                                                            |                       |
| <b>Internal Address:</b>          | CORPORATION TRUST CENTER                                                                                                                                      |                       |
| <b>City:</b>                      | WILMINGTON                                                                                                                                                    |                       |
| <b>State/Country:</b>             | DELAWARE                                                                                                                                                      |                       |
| <b>Postal Code:</b>               | 19801                                                                                                                                                         |                       |
| <b>PROPERTY NUMBERS Total: 27</b> |                                                                                                                                                               |                       |
| <b>Property Type</b>              | <b>Number</b>                                                                                                                                                 |                       |
| Patent Number:                    | 5978286                                                                                                                                                       |                       |
| Patent Number:                    | 6108266                                                                                                                                                       |                       |
| Patent Number:                    | 6111796                                                                                                                                                       |                       |
| Patent Number:                    | 6147510                                                                                                                                                       |                       |
| Patent Number:                    | 6274478                                                                                                                                                       |                       |
| Patent Number:                    | 6380760                                                                                                                                                       |                       |
| Patent Number:                    | 6385101                                                                                                                                                       |                       |
| Patent Number:                    | 6444569                                                                                                                                                       |                       |
| Patent Number:                    | 6573173                                                                                                                                                       |                       |
| Patent Number:                    | 6657502                                                                                                                                                       |                       |
| Patent Number:                    | 7247552                                                                                                                                                       |                       |
| Patent Number:                    | 7268588                                                                                                                                                       |                       |
| Patent Number:                    | 7286423                                                                                                                                                       |                       |
| Patent Number:                    | 7440354                                                                                                                                                       |                       |
| Patent Number:                    | 7443745                                                                                                                                                       |                       |
| Patent Number:                    | 7706207                                                                                                                                                       |                       |
| Patent Number:                    | 7709303                                                                                                                                                       |                       |
| Patent Number:                    | 7880516                                                                                                                                                       |                       |

PATENT

| Property Type  | Number    |
|----------------|-----------|
| Patent Number: | 8020014   |
| Patent Number: | 8566836   |
| PCT Number:    | US0230480 |
| PCT Number:    | US0543220 |
| PCT Number:    | EP0504647 |
| PCT Number:    | IB0551539 |
| PCT Number:    | US0661283 |
| PCT Number:    | US0761842 |
| PCT Number:    | US0764583 |

#### CORRESPONDENCE DATA

**Fax Number:** (858)847-0017

*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.*

**Phone:** 8584811883

**Email:** eric@themuellerlawoffice.com

**Correspondent Name:** ERIC SCHEUERLEIN

**Address Line 1:** THE MUELLER LAW OFFICE, P.C.

**Address Line 2:** 12707 HIGH BLUFF DRIVE, SUITE 200

**Address Line 4:** SAN DIEGO, CALIFORNIA 92130

|                                |                    |
|--------------------------------|--------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | VLSIS001-FREESCALE |
| <b>NAME OF SUBMITTER:</b>      | ERIC SCHEUERLEIN   |
| <b>SIGNATURE:</b>              | /Eric Scheuerlein/ |
| <b>DATE SIGNED:</b>            | 09/13/2016         |

#### Total Attachments: 6

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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

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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>    |
| FREESCALE SEMICONDUCTOR, INC.     | 08/16/2016               |
| <b>RECEIVING PARTY DATA</b>       |                          |
| <b>Name:</b>                      | VLSI TECHNOLOGY LLC      |
| <b>Street Address:</b>            | 1209 ORANGE STREET       |
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| <b>City:</b>                      | WILMINGTON               |
| <b>State/Country:</b>             | DELAWARE                 |
| <b>Postal Code:</b>               | 19801                    |
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| Patent Number:                    | 6147510                  |
| Patent Number:                    | 6274478                  |
| Patent Number:                    | 6380760                  |
| Patent Number:                    | 6385101                  |
| Patent Number:                    | 6444569                  |
| Patent Number:                    | 6573173                  |
| Patent Number:                    | 6657502                  |
| Patent Number:                    | 7247552                  |
| Patent Number:                    | 7268588                  |
| Patent Number:                    | 7286423                  |
| Patent Number:                    | 7440354                  |
| Patent Number:                    | 7443745                  |
| Patent Number:                    | 7706207                  |

|                       |           |
|-----------------------|-----------|
| <b>Patent Number:</b> | 7709303   |
| <b>Patent Number:</b> | 7880516   |
| <b>Patent Number:</b> | 8020014   |
| <b>Patent Number:</b> | 8566836   |
| <b>PCT Number:</b>    | US0230480 |
| <b>PCT Number:</b>    | US0543220 |
| <b>PCT Number:</b>    | EP0504647 |
| <b>PCT Number:</b>    | IB0551539 |
| <b>PCT Number:</b>    | US0661283 |
| <b>PCT Number:</b>    | US0761842 |
| <b>PCT Number:</b>    | US0764583 |

**CORRESPONDENCE DATA****Fax Number:** (858)847-0017**Phone:** 8584811883**Email:** eric@themuellerlawoffice.com*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.***Correspondent Name:** ERIC SCHEUERLEIN**Address Line 1:** THE MUELLER LAW OFFICE, P.C.**Address Line 2:** 12707 HIGH BLUFF DRIVE, SUITE 200**Address Line 4:** SAN DIEGO, CALIFORNIA 92130

|                                |                    |
|--------------------------------|--------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | VLSIS001-FREESCALE |
| <b>NAME OF SUBMITTER:</b>      | ERIC SCHEUERLEIN   |
| <b>Signature:</b>              | /Eric Scheuerlein/ |
| <b>Date:</b>                   | 08/19/2016         |

**Total Attachments: 4**

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**RECEIPT INFORMATION****EPAS ID:** PAT4015690**Receipt Date:** 08/19/2016

## PATENT ASSIGNMENT

*WHEREAS*, Freescale Semiconductor, Inc., a United States corporation duly authorized under the laws of the State of Delaware, with its registered office located at 2711 Centerville Road, Suite 400, Wilmington, DE, 19808 (hereinafter referred to as "Assignor"), is the owner, by assignment, of the entire right, title and interest in and to certain patents and applications listed in Schedule A (hereinafter referred to as "PATENTS"); and

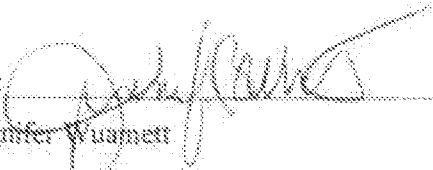
*WHEREAS*, VLSI Technology LLC, a United States corporation duly authorized under the law of the State of Delaware, with its registered office located at Corporation Trust Center 1209 Orange Street, Wilmington, DE, 19801 (hereinafter referred to as "Assignee"), desires to acquire Assignor's entire right, title and interest in and to the **PATENTS**;

*NOW, THEREFORE*, for good, valuable and legally recognized consideration, the receipt of which is hereby acknowledged, Assignor does hereby assign, transfer and convey unto Assignee, its successors and assigns, its entire right, title and interest throughout the world in and to (a) the **PATENTS**; (b) all divisional, continuing, substitute, extension, reissue and other patent applications and applications for any other form of industrial property protection applicable thereto; (c) the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; (d) the right to sue and obtain damages for past infringement of the **PATENTS**; and (e) any and all Letters Patent or other form of industrial property protection relating to the **PATENTS** now or hereafter granted, to be held and enjoyed by the Assignee to the full end of the term or terms for which said Letters Patent, patents or any other form of industrial property protection have been or may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this assignment not been made.

IN WITNESS WHEREOF, intending to be legally bound hereby, the Assignor and Assignee have duly executed this Assignment of Patent Application.

Signed this 16th day of August, 2016

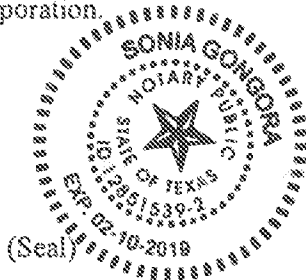
Freescall Semiconductor, Inc.

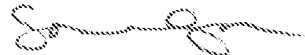
By: 

Jennifer Wuamett

President

On 8-16-16, before me, the undersigned Notary Public, personally appeared Jennifer Wuamett, personally known or proven to me to be the person who subscribed his/her name above in my presence to this instrument in his/her authorized capacity as the legal representative of the said corporation.

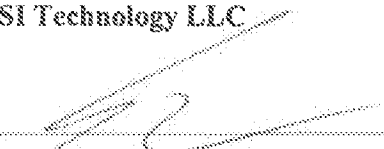




Name (Print/Type): SONIA GONGORA

Notary Public

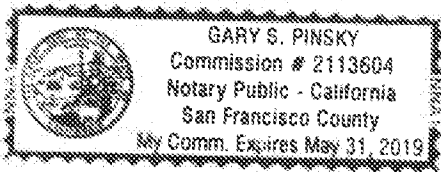
VLSI Technology LLC

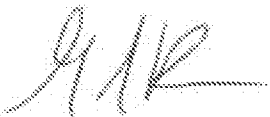
By: 

Eran Zur

Authorized Signatory

On 8/18/16, before me, the undersigned Notary Public, personally appeared Eran Zur, personally known or proven to me to be the person who subscribed his/her name above in my presence to this instrument in his/her authorized capacity as the legal representative of the said corporation.





Name (Print/Type): Gary S. Pinsky

Notary Public

Schedule A

|    | <u>Country</u>      | <u>Patent or Publication</u> | <u>Application</u>   |
|----|---------------------|------------------------------|----------------------|
| 1  | United States       | US 5,978,286                 | 09/259,455           |
| 2  | United States       | US 6,108,266                 | 09/428,440           |
| 3  | United States       | US 6,111,796                 | 09/259,454           |
| 4  | United States       | US 6,147,510                 | 09/114,119           |
| 5  | United States       | US 6,274,478                 | 09/352,136           |
| 6  | United States       | US 6,380,760                 | 09/636,493           |
| 7  | United States       | US 6,385,101                 | 09/543,532           |
| 8  | United States       | US 6,444,569                 | 09/835,276           |
| 9  | United States       | US 6,573,173                 | 10/175,637           |
| 10 | United States       | US 6,657,502                 | 09/968,171           |
| 11 | United States       | US 7,247,552                 | 11/033,009           |
| 12 | United States       | US 7,268,588                 | 11/170,398           |
| 13 | United States       | US 7,286,423                 | 11/362,694           |
| 14 | United States       | US 7,440,354                 | 11/433,998           |
| 15 | United States       | US 7,443,745                 | 11/612,626           |
| 16 | United States       | US 7,706,207                 | 12/209,477           |
| 17 | United States       | US 7,709,303                 | 11/328,668           |
| 18 | United States       | US 7,880,516                 | 11/910,062           |
| 19 | United States       | US 8,020,014                 | 11/914,079           |
| 20 | United States       | US 8,566,836                 | 12/618,311           |
| 21 | International (PCT) | WO03030351                   | PCT/US02/30480       |
| 22 | International (PCT) | WO06076083                   | PCT/US05/43220       |
| 23 | International (PCT) | WO06102925                   | PCT/EP05/04647       |
| 24 | International (PCT) | WO06120507                   | PCT/IB05/51539       |
| 25 | International (PCT) | WO07120293                   | PCT/US06/61283       |
| 26 | International (PCT) | WO07120970                   | PCT/US07/61842       |
| 27 | International (PCT) | WO07133849                   | PCT/US07/64583       |
| 28 | China               | CN100587839                  | 00121974.X           |
| 29 | China               | CN101390169                  | 200780006887.3       |
| 30 | China               | CN101443851                  | 200780017610.0       |
| 31 | China               | CN1265509                    | 99123118.X           |
| 32 | China               | CN1565076                    | 02819470.5           |
| 33 | Germany             | EP 1867049                   | DE 60 2005 018 114.8 |
| 34 | Germany             | EP 1770710                   | DE 699 42 354.6      |
| 35 | Germany             | EP 1770708                   | DE 699 44 481.0      |
| 36 | Europe (EPO)        | EP1033721                    | 99118540.6           |
| 37 | Europe (EPO)        | EP1481471                    | 02800358.0           |
| 38 | Europe (EPO)        | EP1770708                    | 06125238.3           |
| 39 | Europe(EPO)         | EP1770710                    | 06125239.1           |
| 40 | Europe (EPO)        | EP1867049                    | 05749702.6           |

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|----|-------------------|-----------------|-----------------|
| 41 | France            | EP1770708       | EP06125238.3    |
| 42 | France            | EP1867049       | EP05749702.6    |
| 43 | United Kingdom    | EP1770708       | EP06125238.3    |
| 44 | United Kingdom    | EP1867049       | EP05749702.6    |
| 45 | India             | 5757/DELNP/2008 | 5757/DELNP/2008 |
| 46 | Italy             | EP1770708       | EP06125238.3    |
| 47 | Japan             |                 | 2003533428      |
| 48 | Japan             |                 | 2008556495      |
| 49 | Japan             | JP4445074       | 11276317        |
| 50 | Japan             | JP4672116       | 2000217612      |
| 51 | Japan             | JP4903847       | 2009230720      |
| 52 | Japan             | JP5081902       | 2009511128      |
| 53 | Republic of Korea | KR100665484     | 1019990041318   |
| 54 | Republic of Korea | KR100680519     | 1020000043703   |
| 55 | Republic of Korea | KR100909538     | 1020047004843   |
| 56 | Republic of Korea | KR101329018     | 1020087020966   |
| 57 | Republic of Korea |                 | 1020087027869   |
| 58 | Singapore         | SG100732        | 200100035401    |
| 59 | Singapore         | SG103248        | 199900044893    |
| 60 | Taiwan            | TW200711037     | 094145650       |
| 61 | Taiwan            | TW440869        | 088116845       |
| 62 | Taiwan            | TW473736        | 089114933       |
| 63 | Taiwan            | TW595089        | 091122620       |
| 64 | Taiwan            | TWI397961       | 095146082       |
| 65 | Taiwan            | TWI462117       | 096111642       |

PATENT

RECORDED: 09/13/2016

REEL: 040014 FRAME: 0180