PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3183503

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZENVERGE LLC	01/14/2015

RECEIVING PARTY DATA

Name:	FREESCALE SEMICONDUCTOR INC.			
Street Address:	6501 WEST WILLIAM CANNON			
Internal Address:	TX30/OE62			
City:	AUSTIN			
State/Country:	UNITED STATES			
Postal Code:	78735			

PROPERTY NUMBERS Total: 54

Property Type	Number
Application Number:	60758776
Application Number:	11448447
Application Number:	11611356
Application Number:	11549579
Application Number:	12898591
Application Number:	11486190
Application Number:	11567678
Application Number:	13610522
Application Number:	11851879
Application Number:	13450307
Application Number:	11851912
Application Number:	14188642
Application Number:	11851924
Application Number:	13900027
Application Number:	11851933
Application Number:	11852199
Application Number:	61025992
Application Number:	12049238
Application Number:	61025526

PATENT REEL: 034766 FRAME: 0476

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Property Type	Number
Application Number:	12361440
Application Number:	61025609
Application Number:	12362389
Application Number:	13227340
Application Number:	61025628
Application Number:	12362415
Application Number:	12362436
Application Number:	12362394
Application Number:	61025634
Application Number:	12362423
Application Number:	13572559
Application Number:	61025530
Application Number:	12362453
Application Number:	61088956
Application Number:	12534758
Application Number:	61094783
Application Number:	12553228
Application Number:	13835158
Application Number:	61103511
Application Number:	12572151
Application Number:	13782925
Application Number:	13172773
Application Number:	13618536
Application Number:	14198455
Application Number:	61432499
Application Number:	13348774
Application Number:	61452035
Application Number:	61503360
Application Number:	61504087
Application Number:	13172775
Application Number:	13600007
Application Number:	13661866
Application Number:	14092524
Application Number:	14099547
Application Number:	14296228

CORRESPONDENCE DATA

Fax Number:

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: 5128952002

Email: tracy.buffett@freescale.com

Correspondent Name: FREESCALE SEMICONDUCTOR INC

Address Line 1: 6501 WEST WILLIAM CANNON

Address Line 2: TX30/OE62

Address Line 4: AUSTIN, TEXAS 78735

ATTORNEY DOCKET NUMBER:	ZENVERGE
NAME OF SUBMITTER:	MARY JO BERTANI
SIGNATURE:	/Mary Jo Bertani/
DATE SIGNED:	01/15/2015

Total Attachments: 9

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PATENT ASSIGNMENT

This Patent Assignment Agreement ("Assignment Agreement") is made by and between Zenverge LLC, a California limited liability corporation with offices at 3960 Freedom Circle, Suite 100, Santa Clara, California 95054 ("Assignor"), and Freescale Semiconductor, Inc., a Delaware corporation with offices at 6501 William Cannon Drive West, Austin, Texas 78735 ("Assignee").

- 1. For good and valuable consideration, receipt of which the Assignor acknowledges, and by signing and delivering this instrument, the Assignor sells, assigns, transfers, conveys, and delivers to the Assignee all of the Assignor's right, title, and interest in and to:
 - (a). the patents, patent applications and invention disclosures specifically listed in Schedule 1 to this Patent Assignment; and
 - (b). the following properties and rights with respect to all patents and patent applications so listed in Schedule 1:
 - (i). the inventions claimed or described in the patents or applications,
 - (ii). any patents in the United States and anywhere else in the world and patent applications that have been or may be granted or filed, respectively, with respect to those inventions, including without limitation all foreign patents that may claim priority based on and correspond to the patents listed in Schedule 1,
 - (iii). all divisions, renewals, reissues, continuations, extensions, and (if filed by or for Assignee) continuations-in-part of the foregoing patents,
 - (iv). all income, royalties, damages, and payments due or payable to the Assignor with respect to the patents, including without limitation unpaid damages and payments for past, present, and future infringements of any patent, and
 - (v). all rights to sue and recover damages and payments for past, present, and future infringements of any of the patents, including the right to fully and entirely replace the Assignor in all related matters.
- Assignor represents and warrants that Assignor is the owner of all rights, title and interest
 to the patents and patent applications listed in Schedule 1 and has the right to transfer all
 rights, title and interest to the patents and patent applications to Assignee.
- 3. The foregoing rights in and under the patents shall apply to the full end of their terms as fully as the Assignor would have held the same in the absence of this assignment. As of the date set forth below, the Assignee has succeeded to all right, title, and standing of the Assignor to (a) receive all rights and benefits pertaining to the patents described above, and (b) commence, prosecute, defend and settle all claims and take all actions that the

Assignee, in its sole discretion, may elect in relation to the patents and rights described above.

4. This Patent Assignment (a) is irrevocable and effective upon the Assignor's signature to and delivery of a manually signed copy of this instrument or facsimile or email transmission of the signature to this instrument in connection with the execution of the Agreement, if and only if the such execution occurs, (b) benefits and binds the parties to the Agreement and their respective successors and assignees.

This Patent Assignment is effective as of January 14, 2015.

IN WITNESS WHEREOF, Assignor has caused this Assignment Agreement to be executed by its duly authorized officer as of this Manager 1990 and 1990 at 1990 and 1990 at 1

Zenverge LLC

Name: John D. Holmes

Title: Secretary

State of Texas County of Travis

On this day of 2015 before me appeared John D. Holmes, to me personally known who, being duly swom, did depose and say that he is the Secretary of the company named in and which executed the foregoing instrument; and that said instrument was signed on behalf of said company; and said person acknowledged said instrument to be the free and authorized act and deed of said company.

Notary Public

My Commission Expires:

ANGELA K. ZALEWSKI
Notary Public, State of Texas
My Commission Expires
December 15, 2018

SCHEDULE 1 TO PATENT ASSIGNMENT AGREEMENT Zenverge LLC to Freescale Semiconductor, Inc.

Docket Number	Application Number	Filing Date	Patent Number	issue Date	Title
ZEN01	60/758776	01/12/06			DYNAMICALLY CHANGING MEDIA COMPRESSION FORMAT IN COMPRESSED DOMAIN
ZEN01	11/448447	06/06/06	8102916	01/24/12	DYNAMICALLY CHANGING MEDIA COMPRESSION FORMAT IN COMPRESSED DOMAIN
ZEN01	11/611356	12/15/06	7830800	11/09/10	ARCHITECTURE FOR COMBINING MEDIA PROCESSING WITH NETWORKING
ZEN01	11/549579	10/13/06			ARCHTECTURE FOR COMBINING MEDIA PROCESSING WITH NETWORKING
ZEN01	12/898591	10/05/10	8619570	12/31/13	ARCHITECTURE FOR COMBINING MEDIA PROCESSING WITH NETWORKING
ZEN01	11/486190	07/12/06	8582650	11/12/13	DYNAMICALLY CHANGING MEDIA COMPRESSION FORMAT IN COMPRESSED DOMAIN
ZEN02	11/567676	12/06/06	8311114	11/13/12	STREAMLINED TRANSCODER ARCHITECTURE
ZEN02	13/610522	09/11/12	8488679	07/16/13	STREAMLINED TRANSCODER ARCHITECTURE
ZEN03	11/851879	09/07/07	8179964	05/15/12	EFFICIENT TRANSCODING BETWEEN FORMATS USING MACROBLOCK BUFFER
ZEN03	13/450367	04/18/12	8588300	11/19/13	EFFICIENT TRANSCODING BETWEEN FORMATS USING MACROBLOCK BUFFER
ZEN04	11/851912	09/07/07	8698838	04/15/14	ARCHITECTURE FOR MULTIPLE GRAPHICS PLANES
ZEN04	14/188642	02/24/14			ARCHITECTURE FOR MULTIPLE GRAPHICS PLANES
ZEN05	11/851924	09/07/07	8483389	07/09/13	GRAPHICS OVERLAY SYSTEM FOR MULTIPLE IDSPLAYS USING COMPRESSED VIDEO
ZEN05	13/900027	05/22/13			GRAPHICS OVERLAY SYSTEM FOR MULTIPLE IDSPLAYS USING COMPRESSED VIDEO
ZEN06	11/851933	09/07/07	8139081	03/20/12	METHOD AND CONVERSION BETWEEN YUV 4:4:4 AND YUV 4:2:0
ZEN07	11/852199	09/07/07	8064517	11/22/11	PERCEPTUALLY ADAPTIVE QUANTIZATION PARAMETER SELECTION
ZEN08	61/025992	02/04/08			INTRA FRAME BEATING EFFECT REDUCTION
ZEN08	12/049238	03/14/08	8654844	02/18/14	INTRA FRAME BEATING EFFECT REDUCTION

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ZEN09	61/025526	02/01/08			REFERENCE FRAMES FOR TRANSCOOING
ZEN09	12/361440	01/28/09	8199820	06/12/12	INTERMEDIATE COMPRESSION OF REFERENCE FRAMES FOR TRANSCODING
ZEN09	PCT/US2009/032138	01/27/09			INTERMEDIATE COMPRESSION OF REFERENCE FRAMES FOR TRANSCODING
ZEN10	61/025609	92/01/08			MEDIA TRANSMISSION USING AGGREGATED BANDWIDTH OF DISPARATE COMMUNICATION CHANNELS
ZEN10	12/362389	01/29/09	8050289	11/01/11	MEDIA TRANSMISSION USING AGGREGATED BANDWIDTH OF DISPARATE COMMUNICATION CHANNELS
ZEN10	13/227340	09/07/11	8526465	09/03/13	MEDIA TRANSMISSION USING AGGREGATED BANDWIDTH OF DISPARATE COMMUNICATION CHANNELS
ZEN11	61/025628	02/01/08			ENHANCED DEINTERLACING USING PREDICTORS FROM MOTION ESTIMATION ENGINE
ZEN11	12/362415	01/29/09	8508661	08/13/13	ENHANCED DEINTERLACING USING PREDICTORS FROM MOTION ESTIMATION ENGINE
ZEN11	12/362436	01/29/09	8351510	01/08/13	MOTION COMPENSATED NOISE REDUCTION USING SHARED MOTION ESTIMATION ENGINE
ZEN1İ	12/352394	01/29/09	8503633	08/06/13	MOTION ESTIMATION ENGINE FOR PERFORMING MULTIPLE TYPES OF OPERATIONS
ZEN12	61/025634	02/01/08			PROVIDING TRICK MODE FOR VIDEO STREAM TRANSMITTED OVER NETWORK
ZEN12	12/362423	01/29/09	8265168	09/11/12	PROVIDING TRICK MODE FOR VIDEO STREAM TRANSMITTED OVER NETWORK
ZEN12	13/572559	08/10/12			PROVIDING TRICK MODE FOR VIDEO STREAM TRANSMITTED OVER NETWORK
ZEN13	61/025530	02/01/08			ARCHITECTURE FOR ADJUSTING BIT RATE BASED ON MEASURED QUALITY
ZEN13	12/362453	01/29/09	8743954	06/03/14	ARCHITECTURE FOR ADJUSTING BIT RATE BASED ON MEASURED QUALITY
ZEN14	61/088956	08/14/08			MACROBLOCK BASED SCALING OF IMAGES USING REDUCED MEMORY BANDWIDTH
ZEN14	12/534758	08/03/09	8872856	10/28/14	MACROBLOCK BASED SCALING OF IMAGES USING REDUCED MEMORY BANDWIDTH
ZEN15	61/094783	09/05/08			CASCADING MULTIPLE VIDEO TRANSCODERS IN A VIDEO PROCESSING SYSTEM

					CASCADING MULTIPLE VIDEO TRANSCODERS IN A VIDEO PROCESSING
ZEN15	12/553228	09/03/09	8767838	07/01/14	SYSTEM
ZEN15	13/835158	03/18/13			CASCADING MULTIPLE VIDEO TRANSCODERS IN A VIDEO PROCESSING SYSTEM
ZEN16	61/103511	10/07/08			OPTIMIZED MOTION COMPENSATION AND MOTION ESTIMATION FOR VIDEO CODING
ZEN16	12/572151	10/01/09	8411749	04/02/13	OPTIMIZED MOTION COMPENSATION AND MOTION ESTIMATION FOR VIDEO CODING
ZEN16	13/782925	03/01/13			OPTIMIZED MOTION COMPENSATION AND MOTION ESTIMATION FOR VIDEO CODING
ZEN17	13/172773	06/29/11	8798139	08/05/14	DUAL-PIPELINE CABAC ENCODER ARCHITECTURE
ZEN18	13/618536	09/14/12	8704945	04/22/14	MOTION ADAPTIVE DEINTERLACER
ZEN18	14/198455	03/05/14			MOTION ADAPTIVE DEINTERLACER
ZEN19	61/432499	01/13/11			IMPROVED INTERNAL BIT DEPTH EXTENSION AND REFERENCE FRAME COMPRESSION
ZEN19	13/348774	01/12/12	8923389	12/30/14	UNIFIED SCALING WITH DIFFERENTIAL CODING FOR INTERNAL BIT DEPTH EXTENSION AND REFERENCE FRAME
ZEN19	61/452035	03/11/11			INTERNAL BIT DEPTH EXTENSION AND REFERENCE FRAME COMPRESSION FOR 10-BIT TO 8-BIT COMPRESSION
ZEN19	61/503360	06/30/11			UNIFIED SCALING WITH DIFFERENTIAL CODING FOR INTERNAL BIT DEPTH EXTENSION AND REFERENCE FRAME
ZEN19	81/504087	07/01/11			UNIFIED SCALING WITH DIFFERENTIAL CODING FOR INTERNAL BIT DEPTH EXTENSION AND REFERENCE FRAME
ZEN20	13/172775	06/29/11			CONTEXT MODEL CACHE-MANAGEMENT IN A DUAL-PIPELINE CABAC ARCHITECTURE
ZEN21	13/600007	08/30/12	•	***************************************	FADE DETECTION AND WEIGHTED PREDICTION USING PIXEL STATISTICS
ZEN22	13/661866	10/26/12	<u>i</u>	•	CACHE FOR DECODING MOTION COMPENSATED PICTURES
ZEN23	14/092524	11/27/13		-	DECODING FOR HIGH EFFICIENCY VIDEO TRANSCODING
ZEN24	14/099547	12/06/13			BANDWIDTH RECLAMATION USING IP INFRASTRUCTURE FOR VIDEO CONTENT DELIVERY
ZEN25	14/296228	06/04/14			ENHANCED DIGITAL VIDEO RECORDING USING VIDEO TRANSCODING

Delaware

# The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "ZENVERGE, INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "ZENVERGE, INC." TO "ZENVERGE, LLC", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF DECEMBER, A.D. 2014, AT 5:33 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE FIRST DAY OF JANUARY, A.D. 2015, AT 12:01 O'CLOCK A.M.

4006611 8100V

141602746

DATE: 12-31-14

AUTHENT\[CA\TION: 1999352

**PATENT** REEL: 034766 FRAME: 0484

Jeffrey W. Bullock, Secretary of State

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware Secretary of State Division of Corporations Delivered 05:33 PM 12/30/2014 FILED 05:33 PM 12/30/2014 SRV 141602746 - 4006611 FILE

# CERTIFICATE OF CONVERSION TO LIMITED LIABILITY COMPANY

**OF** 

ZENVERGE, INC., a Delaware corporation

TO

## ZENVERGE, LLC, a Delaware limited liability company

This Certificate of Conversion to Limited Liability Company, dated as of December 26, 2014 (the "Certificate"), is being duly executed and filed to convert Zenverge, Inc., a Delaware corporation (the "Company"), to Zenverge, LLC, a Delaware limited liability company (the "LLC"), under the Delaware Limited Liability Company Act, 6 Del. C. §§ 18-101, et seq.

- 1. The Company was originally incorporated as a Delaware corporation under the name "Xilient, Inc." by the filing of its Certificate of Incorporation with the Secretary of State of the State of Delaware on July 27, 2005, and was incorporated under the laws of the State of Delaware immediately prior to the filing of this Certificate.
- 2. The Company's name immediately prior to filing this Certificate was "Zenverge, Inc." Immediately prior to the filing of this Certificate, the Company was a Delaware corporation.
- 3. The name of the Delaware limited liability company into which the Company shall be converted as set forth in its certificate of formation as filed in accordance with Section 18-214(b) of the Act is "Zenverge, LLC."
- 4. The conversion of the Company to the LLC shall be effective at 12:01 a.m. on January 1, 2015.

IN WITNESS WHEREOF, the undersigned have executed this Certificate as of the date first above written.

By:

John D. Holmes

President and Secretary

US 536355358v2

Delaware

# The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "ZENVERGE, LLC" FILED IN THIS OFFICE ON THE THIRTIETH DAY OF DECEMBER, A.D. 2014, AT 5:33 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE FIRST DAY OF JANUARY, A.D. 2015, AT 12:01 O'CLOCK A.M.

141602746

DATE: 12-31-14

AUTHENTYCATION: 1999352

**PATENT REEL: 034766 FRAME: 0486** 

Jeffrey W. Bullock, Secretary of State

4006611 8100V

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware State of Delaware Secretary of State Division of Corporations Delivered 05:33 PM 12/30/2014 FILED 05:33 PM 12/30/2014 SRV 141602746 - 4006611 FILE

# CERTIFICATE OF FORMATION OF ZENVERGE, LLC

This Certificate of Formation of Zenverge, LLC (the "Company"), dated as of December 26, 2014, is being duly executed and filed by John D. Holmes, as an authorized person, to form a limited liability company under the Delaware Limited Liability Company Act, 6 Del. C. §§ 18-101 et seq.

- Name. The name of the limited liability company formed hereby is 1. Zenverge, LLC.
- Registered Office. 2. The address of the registered office of the Company in the State of Delaware is 2711 Centerville Road, Suite 400, in the City of Wilmington, County of New Castle, Delaware 19808.
- 3. Registered Agent. The name and address of the registered agent for service of process on the Company in the State of Delaware is Corporation Service Company, 2711 Centerville Road, Suite 400, in the City of Wilmington, County of New Castle, Delaware 19808.
- Effective Time. This Certificate of Formation shall be effective at 12:01 a.m. on January 1, 2015.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation as of the date first written above.

Title: Authorized Person

US 536355361v1

**PATENT** REEL: 034766 FRAME: 0487

RECORDED: 01/15/2015