

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3147416

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FABIO ALESSIO MARINO	12/13/2014
PAOLO MENEGOLI	12/13/2014

RECEIVING PARTY DATA

Name:	ETA SEMICONDUCTOR INC.
Street Address:	2084 PLEASANT CREST CT.
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95156

PROPERTY NUMBERS Total: 32

Property Type	Number
Application Number:	12927853
PCT Number:	US1237084
Application Number:	14140337
Application Number:	12930239
Patent Number:	8773102
PCT Number:	US1245391
Patent Number:	8779731
Application Number:	12930497
Patent Number:	8441770
PCT Number:	US1250867
Application Number:	13068573
Patent Number:	8441231
Application Number:	61520041
Patent Number:	8835988
Patent Number:	8907644
Application Number:	13136333
Patent Number:	8786269
Patent Number:	8803242
Patent Number:	8629668
Patent Number:	8669591

PATENT

Property Type	Number
Patent Number:	8773088
Application Number:	14169053
Patent Number:	8498094
PCT Number:	US1233849
Application Number:	61644070
Application Number:	61772461
Application Number:	61974951
Application Number:	61709907
Patent Number:	8803288
PCT Number:	US1442663
Application Number:	13889317
Application Number:	14456184

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: 4082593400

Email: info@etasemi.com

Correspondent Name: ETA SEMICONDUCTOR INC

Address Line 1: P.O. BOX 56244

Address Line 4: SAN JOSE, CALIFORNIA 95156

NAME OF SUBMITTER: FABIO ALESSIO MARINO

SIGNATURE: /Fabio Alessio Marino/

DATE SIGNED: 12/15/2014

Total Attachments: 6

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PATENT ASSIGNMENT

WHEREAS Paolo Menegoli, an individual residing at 2084 Pleasant Crest Ct. San Jose, CA 95148 and Fabio Alessio Marino, an individual residing at 532 North 111th Street Mesa, AZ 85207 (hereinafter “**ASSIGNORS**”), hereby represent and warrant that they are the sole and exclusive owners of all right, title, and interest in, to and under the Patent Items (as defined below).

WHEREAS, Eta Semiconductor Inc. a California corporation having its place of business at 2084 Pleasant Crest Ct. San Jose CA 95148 (hereinafter “**ASSIGNEE**”), has agreed to acquire all right, title and interest in, to and under (i) the registered patents and patent applications identified in the Exhibit attached hereto (hereinafter the “**Exhibit 1**”), and all provisional and priority applications relating thereto; (ii) all patents issuing on or from any patent applications identified in the Exhibit 1; (iii) all reissues, reexaminations, extensions, divisionals, renewals, continuations, continuations-in-part and counterparts (whether foreign or domestic) claiming priority to any of the foregoing items in (i) or (ii) above, along with all patents issuing therefrom; and (iv) all inventions and improvements claimed or described in any of the foregoing items (i), (ii) or (iii) (subsections (i), (ii), (iii) and (iv) hereinafter collectively referred to as the “**Patent Items**”).

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

ASSIGNORS, effective December 13th 2014, hereby assign, transfer, convey and deliver unto ASSIGNEE, its successors, legal representatives and assign, all right, title and interest throughout the world in, to and under the Patent Items, including without limitation all foreign patents and any and all rights of priority based on or relating to the Patent Items.

ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States of America, and any Official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications, to issue all patents for the Patent Items to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this Patent Assignment.

ASSIGNORS hereby assign, transfer, convey and deliver to ASSIGNEE, its successors, legal representatives and assigns, all rights of enforcement, all claims for damages and all remedies arising out of, relating to or resulting from the Patent Items or any violation(s) thereof, whether accrued prior to the date of this Patent Assignment or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement or violation of any of the Patent Items, and all other rights, including common law rights, that ASSIGNORS may have relating to the Patent Items, including but not limited to any ongoing or prospective royalties to which ASSIGNORS may be entitled, or that ASSIGNORS may collect for any infringements of any of the Patent Items or from any settlement or agreement related to the Patent Items arising before or after the date of this Patent Agreement, such rights to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS if this Patent Assignment had not been made.

ASSIGNORS hereby represent and warrant that they have full right, power and authority to sell, assign, transfer, convey and deliver all of the subject matter set forth herein, and hereby covenants and agree that upon the written request of ASSIGNEE, ASSIGNORS will communicate promptly to ASSIGNEE, its successors, legal representatives and assigns, all facts known to ASSIGNORS respecting the Patent Items, and will testify in any legal proceeding, sign all lawful papers, transfer all file histories,

make diligent effort to find or reach every inventor of the Patent Items necessary or appropriate in connection with preparation of any lawful document or proceeding relating to the Patent Items, make reasonable efforts to obtain all necessary or appropriate signed and executed documents relating to the Patent Items from every inventor named in the Patent Items, make all rightful declarations and/or oaths and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce patent protection for the Patent Items on a worldwide basis in all countries. ASSIGNEE further covenants and agrees that it will wholly refrain from challenging the validity, enforceability or scope of the Patent Items, whether through opposition, re-examination and/or court proceedings.

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IN WITNESS WHEREOF, We hereunto set our hands this 13th day of December, 2014.

ASSIGNORS

[Signature]

Paolo Menegoli

[Signature]

Fabio Alessio Marino

ASSIGNEE: Eta Semiconductor Inc.

[Signature]

Paolo Menegoli (CEO)

State of California)
County of San Diego) ss

State of California)
County of San Diego) ss

On December 13, 2014, before me,
Date

On 12-13, 2014, before me,
Date

Jana Dee Miller, Notary Public
Name of Notary Public

Jana Dee Miller Notary Public
Name of Notary Public

personally appeared Paolo Menegoli
Name of Signer

personally appeared Fabio Alessio Marino
Name of Signer

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.

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.

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.

WITNESS my hand and official seal.

Notary Signature

Notary Signature

Printed Name:

Printed Name:

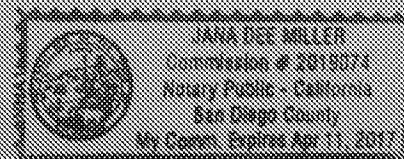
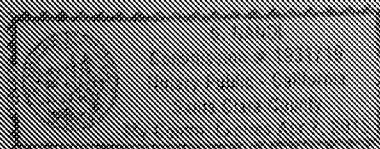


Exhibit 1

Patent or patent application No./ Filing date	Title	Inventors	Owner	Patent or patent application type	Jurisdiction	Publication No. Publication date	Patent No./ Status
US12/927,853 11/29/2010	High Performance Transistor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0132958 05/31/2012	Abandoned
PCT/US12/37084 05/09/2012	High Performance Transistor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	PCT extension of US12/927,853		WO/2013/169243A1 11/14/2013	
US14/140,337 12/24/2013	Area Efficient Field Effect Device	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	Continuation of US12/927,853	US	06/24/2015	Under Prosecution
US12/930,239 01/03/2011	Semiconductor Pillar Power MOS	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0168819 07/05/2012	Under Prosecution
US12/930,190 01/03/2011	Hysteretic CL power converter	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0170334 07/05/2012	US 8,773,102 Granted on 07/08/2014
PCT/US12/45391 07/03/2012	Hysteretic CL power converter	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	PCT extension of US12/930,190		WO/2014/007806A1	
US12/930,498 01/10/2011	Synthetic Ripple Hysteretic Power Converter	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0176822 07/12/2012	US 8,779,731 Granted on 07/15/2014
US12/930,497 01/10/2011	Single Structure Cascode Device	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0175679 07/12/2012	Under prosecution
US12/932,071 02/18/2011	Voltage Spikes Control for Power Converters	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0212861 08/23/2012	US 8,441,770 Granted on 05/14/2013
PCT/US12/50867 08/15/2012	Voltage Spikes Control for Power Converters	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	PCT extension of US12/932,071		WO/2014/028008A1	
US13/068,573 05/16/2011	High Performance Multigate Transistor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0292665 11/22/2012	Under prosecution
US13/134,026 05/27/2011	Bidirectional Hysteretic Power Converter	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0299553 11/29/2012	US 8,441,231 Granted on 05/14/2013
US61/520,041 06/06/2011	Hybrid Monolithic Integration	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	US Provisional	US		
US13/488,398 06/04/2012	Hybrid Monolithic Integration	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2012/0305992 12/06/2013	US 8,835,988 Granted on 09/16/2014



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San Jose, CA, US

US13/135,701 07/14/2011	Synchronization of hysteretic power converters	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2013/0015829 01/17/2013	US 8,907,644 Granted on 12/09/2014
US13/136,333 08/01/2011	HFET with low access region resistance	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2013/0032860 02/07/2013	Under Prosecution
US13/136,733 08/10/2011	Constant frequency synthetic ripple power converter	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2013/0038310 02/14/2013	US 8,786,269 Granted on 07/22/2014
US13/200,083 09/19/2011	Intrinsic channel FET	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2013/0069164 03/21/2013	US 8,803,242 Granted on 08/12/2014
US13/200,049 09/19/2011	Multi-phase synthetic ripple power converter	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2013/0069611 03/21/2013	US 8,629,668 Granted on 01/14/2014
US13/337,753 12/27/2011	E-mode HFET device	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2013/0161698 6/27/2013	US 8,669,591 Granted on 3/11/2014
US13/332,918 12/21/2011	Single Inductor Multiple Output Power Converter	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US2013/0162228 06/27/2013	US 8,773,088 Granted on 07/08/2014
US14/169,053 01/30/2014	Semiconductor Interferometric Device	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	07/30/2015	Under Prosecution
US 13/068,161 05/05/2011	Semiconductor Variable Capacitor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	RPA	US	US 2012-0281336 A1 11/08/2012	US 8,498,094 Granted on 07/30/2013
PCT/US 12/33849 04/16/2012	Semiconductor Variable Capacitor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	PCT extension of US13/068,161		WO 2012151041 A1 11/08/2012	
EP 12779757.9 09/24/2014	Semiconductor Variable Capacitor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	European extension of PCT/US12/33849 & US13/068,161	EU	2805354 11/26/2014	Under prosecution No Office actions yet.
US 61/644,070 05/08/2012	Semiconductor controllable capacitor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	US Provisional	US		
US 61/772461 03/04/2013	Variable Capacitor Circuit Applications	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	US Provisional	US		
US 61/974951 04/03/2014	Variable capacitor circuit applications	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	US Provisional	US		

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US 61/709,907 10/04/2012	Transcap Semiconductor variable capacitor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	US Provisional CIP of US 13/068,161 This RPA claims priority also from US 61/644,070, US 61/709,907, US 61/772461.	US	Projected 11/07/2014	US 8,803,288 Granted on 08/12/2014
US 13/888,368 05/07/2013	Analog Transcap Device	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	PCT extension of US 13/888,368, claims priority date 07/05/2013 CIP of US 13/068,161 This RPA claims priority also from US 61/644,070, US 61/709,907, US 61/772461.	US	Projected 11/13/2014	Allowed
PCT/US14/42663 06/17/2014	Analog Transcap Device	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.	CIP of US 13/888,368	US	Projected 12/18/2014	Under prosecution No Office actions yet.
US 13/889,317 05/07/2013	Digital semiconductor variable capacitor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.				
US 14/456,184 08/11/2014	Three Terminal Variable Capacitor	Fabio Alessio Marino Paolo Menegoli	Eta Semiconductor Inc.				