503246239 04/01/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3292857

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT E. JETER	03/19/2015
BRIJESH TRIPATHI	03/30/2015
KIRAN KATTEL	03/30/2015
RAKESH L. NOTANI	03/19/2015
FABIEN S. FAURE	03/30/2015
SUKALPA BISWAS	03/31/2015
KAI LUN HSIUNG	03/30/2015
NEERAJ PARIK	03/31/2015
VENKATA RAMANA MALLADI	03/30/2015
SHIVA KUMAR	03/31/2015
CHAITANYA POLAPRAGADA	03/20/2015
ALLEN KIM	03/20/2015

RECEIVING PARTY DATA

Name:	APPLE INC.
Street Address:	1 INFINITE LOOP
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14676174

CORRESPONDENCE DATA

(512)853-8801 Fax Number:

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MEYERTONS, HOOD, KIVLIN, KOWERT & G (APP **Correspondent Name:**

Address Line 1: P.O. BOX 398

Address Line 4: **AUSTIN, TEXAS 78767-0398**

REEL: 035312 FRAME: 0001 503246239

PATENT -

ATTORNEY DOCKET NUMBER:	8888-54400
NAME OF SUBMITTER:	B. NOEL KIVLIN
SIGNATURE:	/ B. Noel Kivlin /
DATE SIGNED:	04/01/2015
Total Attachments: 12	
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PATENT REEL: 035312 FRAME: 0002

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to Apple Inc. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at 1 Infinite Loop, Cupertino, CA 95014, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith. entitled REFERENCE VOLTAGE and is CALIBRATION USING A QUALIFIED WEIGHTED AVERAGE, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

1

PATENT REEL: 035312 FRAME: 0003 nominees of the Assigns. 03/19/2015 Date: __ (Signature) Name: (Signature) __ Date: Name: Brijesh Tripathi (Signature) ___ Date: _____ Name: Kiran Kattel Date: ___ 03/19/2015 (Signature) Name: Rakesh L. Notani (Signature) Date: ____ Name: Fabien S. Faure Date: (Signature) _ Name: Sukalpa Biswas (Signature) ___ Date: Name: Kai Lun Hsiung Date: _____ (Signature) ___ Name: Neeraj Parik Date: (Signature) ____ Name: Venkata Ramana Malladi (Signature) ___ Date: _____ Name: Shiva Kumar Date: ____ (Signature) ___ Name: Chaitanya Polapragada (Signature) __ Date: Name: Allen Kim

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns,

representatives and successors of the undersigned and extend to the successors, assigns and

Customer No. 81310

(Signature)_		Date:	
Name:	Robert E. Jeter		
(Signature) _	Brijesh Tripathi	Date:3	3/30/2015
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(Signature) _	77	Date:	
Name:	Kiran Kattel		
(Signature)_		Date:	
Name:	Rakesh L. Notani		
(Signature)		Date:	
Name:	Fabien S. Faure	<u> </u>	
(Signature)		Date:	
Name:	Sukalpa Biswas		
(Signature)		Date:	
Name:	Kai Lun Hsiung		
(Signature)		Date:	
Name:	Neeraj Parik		
(Signature)		Date:	
Name:	Venkata Ramana Malladi		
(Signature)		Date:	
Name:	Shiva Kumar		
(Signature)		Date:	
Name:	Chaitanya Polapragada		
(Signature)		Date:	
Name:	Allen Kim	<u> </u>	

Customer No. 81310

(Signature)	2.2	Date:
Name:	Robert E. Jeter	
(Signature)		Date:
Name:	Brijesh Tripathi	
(Signature)_	10021 L	Date: $\frac{3/30/2015}{}$
Name:	Kiran Kattel	
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Name:	Fabien S. Faure	Date.
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(Signature)_		Date:
Name:	Sukalpa Biswas	
(Signature)_	Kai Lun Hsiung	Date:
Name:	Kai Lun Hsiung	
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(Signature)_	Neeraj Parik	Date:
Name:	iveeraj Parik	
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(Signature)		Date:
Name:	Shiva Kumar	
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Name:	Chaitanya Polapragada	
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B. Noël Kivlin Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, TX 78767-0398

> PATENT REEL: 035312 FRAME: 0006

(Signature)	D. 1	Date:	
Name:	Robert E. Jeter	_	
(Signature) _	Brijesh Tripathi	Date:	
Name:	Brijesh Tripathi		
(Signature)_	Kiran Kattel	Date:	
Name:	Kiran Kattel		
(Signature)_		Date:	
	Rakesh L. Notani		
(Signature) _	G. Foure	Date: <u>03/30</u>	<u>/2015</u>
Name:	Fabien S. Faure		
(Signature) _		Date:	
Name:	Sukalpa Biswas		
(Signature) _		Date:	
Name:	Kai Lun Hsiung		
(Signature) _		Date:	
Name:	Neeraj Parik		
(Signature) _	Venkata Ramana Malladi	Date:	
Name:	Venkata Ramana Malladi		
(Signature) _		Date:	
Name:	Shiva Kumar		
(Signature) _		Date:	
Name:	Chaitanya Polapragada		
(Signature) _	Allen Kim	Date:	
Name:	Allen Kim		

Customer No. 81310

(Signature) _		Date:
Name:	Robert E. Jeter	
(Signature) _		Date:
Name:	Brijesh Tripathi	
(Signature)_	Kiran Kattel	Date:
Name:	Kiran Kattel	
(Signature) _	Rakesh L. Notani	Date:
Name:	Rakesh L. Notani	
(Signature) _	Fabien S. Faure	Date:
Name:	Fabien S. Faure	0/04/0045
(Signature) _	Sukalpa Biswas	_{Date:} 3/31/2015
Name:	Sukalpa Biswas	
(Signature) _	Kai Lun Hsiung	Date:
Name:	Kai Lun Hsiung	
(Signature) _	Neeraj Parik	Date:
Name:	Neeraj Parik	
(Signature) _	Venkata Ramana Malladi	Date:
Name:	Venkata Ramana Malladi	
(Signature) _	241	Date:
Name:	Shiva Kumar	
(Signature) _		Date:
Name:	Chaitanya Polapragada	
(Signature)_		Date:
Name:	Allen Kim	

Customer No. 81310

(Signature)	D. 1. (E. 1.)	Date:	
Name:	Robert E. Jeter	_	
(Signature) _ Name:	Brijesh Tripathi	Date:	
Name:	Kiran Kattel		
(Signature) _ Name:	Rakesh L. Notani	Date:	
	Fabien S. Faure		
	Sukalpa Biswas		
Name: (Signature)	Sukalpa Biswas Kai Lun Hsiung		/30/2015
Name:	Kai Lun Hsiung		
(Signature)_	Neeraj Parik	Date:	
(Signature) _	·	Date:	
(Signature)	Venkata Ramana Malladi	Date:	
Name:	Shiva Kumar		
(Signature) _ Name:	Chaitanya Polapragada	Date:	
name:	Allen Kim		

Customer No. 81310

(Signature)		Date:
Name:	Robert E. Jeter	_
(Signature) _ Name:	Brijesh Tripathi	Date:
(Signature) _ Name:	Kiran Kattel	Date:
(Signature) _ Name:	Rakesh L. Notani	Date:
(Signature) _ Name:	Fabien S. Faure	Date:
(Signature) _ Name:	Sukalpa Biswas	Date:
(Signature) _	Kai Lun Hsiung	Date:
(Signature) _ Name:	Neeraj Parik	Date:03/31/2015
(Signature)	Venkata Ramana Malladi	
(Signature) _ Name:	Shiva Kumar	Date:
(Signature) _ Name:	Chaitanya Polapragada	Date:
(Signature) _ Name:	Allen Kim	Date:

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Name:	Robert E. Jeter	_
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	Fabien S. Faure	Data
(Signature) _ Name:	Sukalpa Biswas	Date:
(Signature)	Kai Lun Hsiung	Date:
(Signature) __ Name:	Neeraj Parik	Date:
(Signature)	M. Venketa Ramana Malladi	
	v Chrata Ramana ivianaci	Date:
Name:	Shiva Kumar	
(Signature) _	Chaitanya Polapragada	Date:
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Name:	Allen Kim	

Customer No. 81310

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Name:	Robert E. Jeter	
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Name:	Rakesh L. Notani	
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Name:	Fabien S. Faure	***************************************
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Name:	Sukalpa Biswas	
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Name:	Shiva Kumar	
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Name:	Chaitanya Polapragada	
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(orgunuur) . Name:	Allen Kim	Date:

Customer No. 81310

(Signature)_		Date:
Name:	Robert E. Jeter	_
(Signature)_	Brijesh Tripathi	Date:
Name:	Brijesh Tripathi	
(Signature) _		Date:
Name:	Kiran Kattel	
(Signature) _	Rakesh L. Notani	Date:
Name:	Rakesh L. Notani	
(Signature)_	Fabien S. Faure	Date:
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(Signature)_		Date:
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(Signature) _	Kai Lun Hsiung	Date:
Name:	Kai Lun Hsiung	
(Signature) _		Date:
Name:	Neeraj Parik	
(Signature) _	Venkata Ramana Malladi	Date:
Name:	Venkata Ramana Malladi	
(Signature) _	01.1	Date:
Name:	Shiva Kumar	
(Signature) _	Chater	Date: <u>3/20/15</u>
	Chaitanya Polapragada	
(Signature) _		Date:
Name:	Allen Kim	

Customer No. 81310

(Signature)_		Date:	
Name:	Robert E. Jeter		
(Signature) _	Brijesh Tripathi	Date:	
Name:	Brijesh Tripathi		
(Signature) _	Kiran Kattel	Date:	
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(Signature) _	Rakesh L. Notani	Date:	
Name:	Rakesh L. Notani		
(Signature) _	Fabien S. Faure	Date:	
Name:	Fabien S. Faure		
(Signature) _	0.1.1.71	Date:	
Name:	Sukalpa Biswas		
(Signature) _	** ** ** ** ** ** ** ** ** ** ** ** **	Date:	
Name:	Kai Lun Hsiung		
(Signature) _	Neeraj Parik	Date:	
Name:	Neeraj Parik		
(Signature) _	V 1 . D . M P	Date:	
Name:	Venkata Ramana Malladi		
(Signature) _		Date:	
Name:	Shiva Kumar		
(Signature) _	Chaitanya Polapragada	Date:	
Name:	Chaitanya Polapragada	9/90/90	1 Em
	dlex	Date: <u>3/2//20</u>	
Name:	Allen Kim		

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RECORDED: 04/01/2015