#### 502167193 12/18/2012

#### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the incorrect Assignors Damian Kaleta and Kevin Decker. The CORRECT ASSIGNORS are Imran A. Pirwani and Paul S. McCarthy previously recorded on Reel 028906 Frame 0699. Assignor(s) hereby confirms the Assignment of Assignor's interest.

#### **CONVEYING PARTY DATA**

Name	Execution Date
Imran A. Pirwani	08/31/2012
Paul S. McCarthy	08/31/2012

#### **RECEIVING PARTY DATA**

Name:	Apple Inc.
Street Address:	1 Infinite Loop
Internal Address:	MS-303-1NS
City:	Cupertino
State/Country:	CALIFORNIA
Postal Code:	95014

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13601689

#### **CORRESPONDENCE DATA**

Fax Number: 4155760300

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 415-576-0200

Email: jhockaday@kilpatricktownsend.com Correspondent Name: Kilpatrick Townsend & Stockton, LLP Address Line 1: Two Embarcadero Center, Eighth Floor Address Line 4: San Francisco, CALIFORNIA 94111-3834

ATTORNEY DOCKET NUMBER:	90911-P13452US1-844481
NAME OF SUBMITTER:	Athena C. Johns

**PATENT** 

**REEL: 029495 FRAME: 0238** 

502167193

Total Attachments: 4

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> PATENT REEL: 029495 FRAME: 0239

Assignment Page 1 of 2

## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Damian Kaleta	08/24/2012
Kevin Decker	08/24/2012

#### **RECEIVING PARTY DATA**

Name:	Apple Inc.
Street Address:	1 Infinite Loop
City:	Cupertinoo
State/Country:	CALIFORNIA
Postal Code:	95014

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13601689

## **CORRESPONDENCE DATA**

**Fax Number**: 4155760300 **Phone**: 415.576.0200

Email: Jtipton@kilpatricktownsend.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it

will be sent via US Mail.

Correspondent Name: Kilpatrick Townsend & Stockton LLP

Address Line 1: 2 Embarcadero Center

Address Line 2: 8th Floor

Address Line 4: San Francisco, CALIFORNIA 94111-3834

**ATTORNEY DOCKET NUMBER**: 90911-P13452US1-844481

Assignment Page 2 of 2

NAME OF SUBMITTER:	Athena C. Johns
Signature:	/Athena C. Johns/
Date:	09/06/2012
Total Attachments: 1	

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RECEIPT INFORMATION

 EPAS ID:
 PAT2088037

 Receipt Date:
 09/06/2012

Fee Amount: \$40



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 7, 2012

PTAS

KILPATRICK TOWNSEND & STOCKTON LLP 2 EMBARCADERO CENTER 8TH FLOOR SAN FRANCISCO, CA 94111-3834

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RECORDATION DATE: 09/06/2012 REEL/FRAME: 028906/0699

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 90911-P13452US1-844481

ASSIGNOR:

KALETA, DAMIAN DOC DATE: 08/24/2012

ASSIGNOR:

DECKER, KEVIN DOC DATE: 08/24/2012

ASSIGNEE:

APPLE INC.

1 INFINITE LOOP

CUPERTINOO, CALIFORNIA 95014

APPLICATION NUMBER: 13601689 FILING DATE: PATENT NUMBER: ISSUE DATE: TITLE: ROAD HEIGHT GENERATION FOR A ROAD NETWORK

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

Attorney Docket No.: 90911-P13452US1-844481

Client Reference No.: P13452US1

#### ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Imran A. Pirwani, residing at Campbell, CA and, Paul S. McCarthy, residing at San Jose, CA, hereinafter referred to as "Assignors," are the joint inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

ROAD HEIGHT GENERATION FOR A ROAD NETWORK

Date(s) of execution of Declaration:

Filing Date: August 31, 2012

Application No.: 13/601, 689

WHEREAS, APPLE INC., a corporation of the state of California, located at 1 Infinite Loop, Cupertino, CA 95014, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignors, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Kilpatrick Townsend & Stockton LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: August 31, 2012

Dated: August 31,2012

Kilpatrick Townsend 64516942 1

Paul \$

**PATENT REEL: 029495 FRAME: 0243** 

**RECORDED: 12/18/2012**