#### 504631689 11/07/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4678407

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SHIMON ELKAYAM	11/06/2017
BRANDON R. GARBUS	09/06/2017
CHRISTOPHER S. GRAHAM	09/13/2017
KARL RUBEN F. LARSSON	09/06/2017

## **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:	15701224

# **CORRESPONDENCE DATA**

Fax Number: (415)576-0300

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: 4155760200

Email: pcaldwell@kilpatricktownsend.com

KILPATRICK TOWNSEND & STOCKTON LLP/APPLE **Correspondent Name:** 

1100 PEACHTREE STREET Address Line 1: Address Line 2: MAILSTOP: IP DOCKETING 22 Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	090911-P32102US1-1026033
NAME OF SUBMITTER:	PATRICIA CALDWELL
SIGNATURE:	/Patricia Caldwell/
DATE SIGNED:	11/07/2017

# **Total Attachments: 8**

source=P32102US1 Assignment fully executed#page1.tif source=P32102US1 Assignment fully executed#page2.tif

source=P32102US1 Assignment fully executed#page3.tif	
source=P32102US1 Assignment fully executed#page4.tif	
source=P32102US1 Assignment fully executed#page5.tif	
source=P32102US1 Assignment fully executed#page6.tif	
source=P32102US1 Assignment fully executed#page7.tif	
source=P32102US1 Assignment fully executed#page8.tif	

Attorney Docket No.: 090911-P32102US1-1026033

## ASSIGNMENT

(Patent Application)

JOINT

WHEREAS, Shimon Elkayam, Brandon R. Garbus, Christopher S. Graham and Karl Ruben F. Larsson, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: ELECTROMAGNETIC SHIELDING FOR WIRELESS

POWER TRANSFER SYSTEMS

Filing Date: September 11, 2017

Application No.: 15/701,224

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, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309, 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.

Signature: Date: 11/6/2017
Shimon/Elkayam

Assignment Attorney Docket No.: 090911-P32102US1-1026033 Page 2 of 2

Signature:		Date:	***************************************
	Brandon R. Garbus		
Signature:		Date:	
	Christopher S. Graham		
Signature:		Date:	A
	Karl Ruben F. Larsson		

70069057V.1

# ASSIGNMENT

(Patent Application)

JOINT

WHEREAS, Shimon Elkayam, Brandon R. Garbus, Christopher S. Graham and Karl Ruben F. Larsson, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: ELECTROMAGNETIC SHIELDING FOR WIRELESS

POWER TRANSFER SYSTEMS

Filing Date: September 11, 2017

Application No.: 15/701,224

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, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309, to insert herein above the application number and filing date of said application when known.

	IN TESTIMONY	WHEREOF, Assignors	have signed thei	r names on the dates
indicated.		-		

Signature:		Date:	-
	Shimon Elkayam		

Assignment Attorney Docket No.: 090911-P32102US1-1026033 Page 2 of 2

Signature:	Brandon R. Garbus	Date:	9/6/2017
Signature:	Christopher S. Graham	Date:	,
Signature:		Date:	
	Karl Ruben F. Larsson		

70069057V.1

Attorney Docket No.: 090911-P32102US1-1026033

# ASSIGNMENT

(Patent Application)

**JOINT** 

WHEREAS, Shimon Elkayam, Brandon R. Garbus, Christopher S. Graham and Karl Ruben F. Larsson, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: ELECTROMAGNETIC SHIELDING FOR WIRELESS

POWER TRANSFER SYSTEMS

Filing Date: September 11, 2017

Application No.: 15/701,224

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, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309, to insert herein above the application number and filing date of said application when known.

indicated.	IN TESTIMONY WHEREOF, Assignors have si	gned their names on the dates	
Signature:	Shimon Elkayam	Date:	

Page 1 of 2

Assignment Attorney Docket No.: 090911-P32102US1-1026033 Page 2 of 2

Signature:		Date:	
Signature:	Brandon R. Garbus Christopher S. Graham	Date:	9/13/17
Signature:		Date:	
	Karl Ruben F. Larsson		

70069057V.1

Attorney Docket No.: 090911-P32102US1-1026033

# ASSIGNMENT

(Patent Application)

JOINT

WHEREAS, Shimon Elkayam, Brandon R. Garbus, Christopher S. Graham and Karl Ruben F. Larsson, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: ELECTROMAGNETIC SHIELDING FOR WIRELESS

POWER TRANSFER SYSTEMS

Filing Date:

September 11, 2017

Application No.:

15/701,224

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, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309, to insert herein above the application number and filing date of said application when known.

indicated.	IN TESTIMONY WHEREOF, Assignors have	signed their r	names on the dates
Signature:	Shimon Elkayam	Date:	

Page 1 of 2

Page 2 of 2

Signature:		Date:	
	Brandon R. Garbus		
Signature:		Date:	
	Christopher S. Graham		
Signature:	411-1	Date:	09/66/17
	Karl Ruben F. Larsson		

70069057V.1

**RECORDED: 11/07/2017**