503396210 07/16/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3442835

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER J. SARCONE	07/10/2015
MANOJ K. RADHAKRISHNAN	07/10/2015
ETAI ZALTSMAN	07/03/2015

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:	14797041

CORRESPONDENCE DATA

Fax Number: (916)444-2100

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: 916-444-1000

Email: Jtipton@downeybrand.com, IPdocketing@downeybrand.com

DOWNEY BRAND LLP **Correspondent Name:**

Address Line 1: P.O. BOX 569

Address Line 4: **CUPERTINO, CALIFORNIA 95015**

ATTORNEY DOCKET NUMBER:	TORNEY DOCKET NUMBER: P22652US1/22160US.1	
NAME OF SUBMITTER:	BRET J. MCCLAY	
SIGNATURE:	/Bret J. McClay/	
DATE SIGNED:	07/16/2015	

Total Attachments: 3

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PATENT REEL: 036116 FRAME: 0652 503396210

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

POWER SAVING FEATURE FOR STORAGE SUBSYSTEMS

(Atiy. D	ocket No. P22652US1/22160US.1)
⊠ wl	hich bears application No. <u>14/,797,041</u> , hich is a provisional application.
	or good and valuable consideration, the receipt and sufficiency of which is hereby dged. I, an undersigned inventor, hereby:
I Infinite above-refi as concurr thereof, fo part there	III, assign and transfer to Apple Inc., a California corporation having a place of business at Loop, Cupertino, CA 95014 ("ASSIGNEE"), the entire right, title and interest to the erenced application, any and all improvements and inventions disclosed therein, as well rent applications, applications having priority claims to/from, any derivative applications or eign or Patent Cooperation Treaty ("PCT") applications based in whole or at least in on, and any and all patents resulting from such applications (including foreign patents ght to claim priority).
resulting f	athorize and request the Commissioner of Patents to issue any and all United States Patents from said application or any divisional, continuation, design application, substitute, e-examination or reissue thereof to the ASSIGNEE.
perform a applicatio	gree to execute all papers and documents and, entirely at the ASSIGNEE's expense, ny acts which are reasonably necessary in connection with the prosecution of said in, as well as any derivative applications thereof, foreign applications based thereon, and/or tement of patents resulting from such applications.
the ASSIC	gree that the terms, covenants and conditions of this assignment shall inure to the benefit of GNEE, its successors, assigns and other legal representatives, and shall be binding upon the as well as the inventor's heirs, legal representatives and assigns.
	arrant and represent that I have not entered and will not enter into any assignment, or understanding that conflicts with this assignment.
	othorize and request my attorney/agent to insert above the application No. in order to assist rdal of this assignment.
Si	gned on the date indicated beside my signature.
	gnature: Date: 3 - 501 - 2015 ped Name: endzatissular

(Aity, Docket No. P22652U81/22160U8.1)

PATENT REEL: 036116 FRAME: 0653

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

POWER SAVING FEATURE FOR STORAGE SUBSYSTEMS

\boxtimes	y. Docket No. P22652US1/22160US.1) Which bears application No. 14/,797,041
	which is a provisional application.
ackno	For good and valuable consideration, the receipt and sufficiency of which is hereby wledged, I, an undersigned inventor, hereby:
as con thereo part th	Sell, assign and transfer to Apple Inc., a California corporation having a place of business at nite Loop, Cupertino, CA 95014 ("ASSIGNEE"), the entire right, title and interest to the referenced application, any and all improvements and inventions disclosed therein, as well current applications, applications having priority claims to/from, any derivative applications f, foreign or Patent Cooperation Treaty ("PCT") applications based in whole or at least in ereon, and any and all patents resulting from such applications (including foreign patents e right to claim priority).
2) resulting renewa	Authorize and request the Commissioner of Patents to issue any and all United States Patents ng from said application or any divisional, continuation, design application, substitute, al, re-examination or reissue thereof to the ASSIGNEE.
applica	Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, in any acts which are reasonably necessary in connection with the prosecution of said ation, as well as any derivative applications thereof, foreign applications based thereon, and/or forcement of patents resulting from such applications.
4) the AS invente	Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of SIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the or, as well as the inventor's heirs, legal representatives and assigns.
5) contrac	Warrant and represent that I have not entered and will not enter into any assignment, or understanding that conflicts with this assignment.
6) with re	Authorize and request my attorney/agent to insert above the application No. in order to assist cordal of this assignment.
	Signed on the date indicated beside my signature.
	Signature: John Janu Date: 7/10/2015 Typed Name: Christopher JSARCONE

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

POWER SAVING FEATURE FOR STORAGE SUBSYSTEMS

(Atty. Docket No. P22652US1/22160US.1)
which bears application No. $14/,797,041$ which is a provisional application.
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:
1) Sell, assign and transfer to Apple Inc., a California corporation having a place of business at I Infinite Loop, Cupertino, CA 95014 ("ASSIGNEE"), the entire right, title and interest to the above-referenced application, any and all improvements and inventions disclosed therein, as well as concurrent applications, applications having priority claims to/from, any derivative applications thereof, foreign or Patent Cooperation Treaty ("PCT") applications based in whole or at least in part thereon, and any and all patents resulting from such applications (including foreign patents and the right to claim priority).
2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any divisional, continuation, design application, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.
Signed on the date indicated beside my signature.
Signature: Date: 07/10/2015 Typed Name: Manoj E RADHAKRISHNAN

(Any. Docket No. P22652US1/22160US.1)

RECORDED: 07/16/2015

PATENT REEL: 036116 FRAME: 0655

VLI.