502550604 10/29/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2596174

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASASHIGE TATEBE	09/17/2013
JODY R. AKANA	09/13/2013
TAKAHIRO OSHIMA	10/03/2013
PETER N. RUSSELL-CLARKE	09/13/2013

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
A	Application Number:	14040528

CORRESPONDENCE DATA

Fax Number: (408)341-3098 Phone: 408-341-3000 Email: kmsmith@wcsr.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: WOMBLE CARLYLE SANDRIDGE & RICE LLP

Address Line 1: 10050 N. WOLFE ROAD

Address Line 2: SUITE 260

Address Line 4: **CUPERTINO, CALIFORNIA 95014**

ATTORNEY DOCKET NUMBER:	P18921US1/17250US.1
NAME OF SUBMITTER:	KAREN K. MCSWAIN

PATENT

REEL: 031504 FRAME: 0884

502550604

Signature:	/Karen K. McSwain/
Date:	10/29/2013
Total Attachments: 4 source=P18922US1_ASG1#page1.tif source=P18922US1_ASG1#page2.tif source=P18922US1_ASG1#page3.tif source=P18922US1_ASG1#page4.tif	

PATENT REEL: 031504 FRAME: 0885

Whereas I an undersigned inventor, have invented certain new and useful improvements in set forth in the parent applications entitles.

METHODS FOR FORMING WHITE ANODIZED FILMS BY METAL COMPLEX INFESION

Atty. Decker No. 1189221.837 (724)18.13
for which traveless cuted a U.S. parest application on even date herewith which bears U.S. application No. 14/040,528 which is a U.S. provisional application.
For each and valuable consideration, the recorpt and outricenes of which is hereoville brokens in the consideration before
Self, resign and transfer to Apple Inc., a Carltonia constraint having a place of business at 1 Intimite Loop, Caperine. CA 95.014 ("ASSIGNED"), the entire right tale and interest or any and all improvements and insentions disclosed in applications based upon and patents granted upon finding to entire patents and the right to claim proof to the above-reterenced application.
2) Authorize and request the Commissioner of Patents to issue any and all United States Plaients resulting from and application or any division communities, substitute, consistal resession and or research to the ASSIGNES.
Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any uses which are reasonably necessary in connection with the procedures of said applications as well as any derivative applications thereof, brooking applications it sed thereof, and/or the entire ment of patents resulting from such applications.
A previous the transport of energy and conditions of the esciptoral shall have to the benefit of the ASSIGNEE, its excessions are space and other legal representatives, and shall be brinking upon the inventor as well as the inventor's bens, begain representatives and assigns.
6) Was appeared represent that I have not entered and will not enter not any assignment, common project executions contacts with this assignment.
6) Authorize and request for alterney agent to invertible of the application No. in order to positive the required by the execution.
Supplet on the date indicated person measurement.
State Service States States

Page 1941

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

METHODS FOR FORMING WHITE ANODIZED FILMS BY METAL COMPLEX INFUSION

(Atty. Docket No. P18922US1/17240US.1)
for which I have executed a U.S. patent application on even date herewith. Which bears U.S. application No. $14/040,528$ which is a U.S. 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 in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
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.
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.
Warrant and represent that I have not entered and will not enter into any assignment, contract or understanding that conflicts with this assignment.
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: Typed Name: Jody R. Akana Date: 9/13/13

Atty Docket No. P18922US1/17240US.1

Page 1 of 1

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

METHODS FOR FORMING WHITE ANODIZED FILMS BY METAL COMPLEX INFUSION

(Atty. Docket No. P18922US1/17240US.1)
for which I have executed a U.S. patent application on even date herewith. which bears U.S. application No. 14/040,528 which is a U.S. 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 1 Infinite Loop, Cupertino, CA 95014 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, 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: Takahiro Oshima Date: 3rd. Ool. 2013

Atty Docket No. P18922US1/17240US.1

Page 1 of 1

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

METHODS FOR FORMING WHITE ANODIZED FILMS BY METAL COMPLEX INFUSION

(Atty. Docket No. P18922US1/17240US.1)
☐ for which I have executed a U.S. patent application on even date herewith. ☐ which bears U.S. application No. 14/040 528
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 1 Infinite Loop, Cupertino, CA 95014 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, 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.
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: 9:13-13 Typed Name: Peter N. Russell-Clarke

Atty Docket No. P18922US1/17240US.1

RECORDED: 10/29/2013

PATENT REEL: 031504 FRAME: 0889