504585839 10/09/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4632551

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YAN YANG	10/04/2017
JOE S. ABUAN	10/04/2017
ZHONGREN XU	10/02/2017
THUY PARK	10/03/2017

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:	15713345

CORRESPONDENCE DATA

Fax Number: (408)701-6210

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: (408) 701-6200

ipdocketing@downeybrand.com, csato@DowneyBrand.com Email:

DOWNEY BRAND LLP **Correspondent Name:** ATTN: IP DOCKETING Address Line 1:

Address Line 2: P.O. BOX 569

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

ATTORNEY DOCKET NUMBER:	P32777US1/26920US.1	
NAME OF SUBMITTER:	JAMES T. ASLANIS JR.	
SIGNATURE:	/James T. Aslanis Jr./	
DATE SIGNED:	10/09/2017	

Total Attachments: 4

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> **PATENT REEL: 043817 FRAME: 0146** 504585839

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> PATENT REEL: 043817 FRAME: 0147

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

QUICK RELAY INTERFACE AND TRANSPORT SELECTION

v1.1

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

QUICK RELAY INTERFACE AND TRANSPORT SELECTION

(Atty. Docket No. P32777US1/26920US.1)
for which I have executed an application on even date herewith.
which bears application No. 15/713,345
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 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: for S. ABUAN Date: 10/4/28/7 Typed Name: Joe S. ABUAN
Typed Name: Joe S. ABUAN

(Atty. Docket No. P32777US1/26920US.1)

vl.l

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

QUICK RELAY INTERFACE AND TRANSPORT SELECTION

(Any Docket No. P32777US) 26920US I) for which I have executed an application on even date herewith which bears application No. 107713,145 which is a US provisional application.
For good and volumes consideration, the receipt and sufficiency of schick in health acknowledged, it, as undersigned invenes factors:
Sets assign and transfer to Apple to Collifornia corporation become a place of business at limiting Loop. Copering CA 1991 of 1995 (1991) To the entire right, take and interest to the another research applications and sold suppresentations and receipt as derivative applications belong priority claims to from any derivative applications between the rept to respond to execution 1995 (1991) applications based in write or at icos in part before, and are and all parents resulting from such applications (including foreign parents and the right to claim priority).
2) Authorize and request the Commissioner of Patents to issue any and all Linned States Patents of our from said application or any divisional, continuation, design application, substitute reviewal, re-examination or resourchere of to the ASSIGNEE.
3) Agree to execute all papers and documents and entirely at the ASSIGNED's expense perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications disrect, foreign applications based thereon, and/or the entercoment of patents resulting from each applications.
4) Agree that the terms, coverants and conditions of this assignment shall more to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be brinding upon the member, as well as the inventor's horizologic 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 attemperagent to insert above the application No. in order to assist with recorded of this oscignment.
Signed on the date indicated beside my signature
Marine 2001/2004 Res. 100 12-2-2017

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

QUICK RELAY INTERFACE AND TRANSPORT SELECTION

(Atty, Docket No. P32777US1/26920US.1)
for which I have executed an application on even date herewith.
\boxtimes which bears application No. $15/713,345$
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 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:
Typed Name: Thuy PARK

(Atty. Docket No. P32777US1/26920US.1)

RECORDED: 10/09/2017

vEl **PATENT REEL: 043817 FRAME: 0151**