PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4828202

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID S. HERMAN	01/25/2018
SIMON REGIS LOUIS LANCASTER-LAROCQUE	02/15/2018
SHRAVAN BHARADWAJ	02/13/2018

RECEIVING PARTY DATA

Name:	APPLE INC.	
Street Address:	ONE APPLE PARK WAY	
City:	CUPERTINO	
State/Country:	CALIFORNIA	
Postal Code:	95014	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15890618

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.

(408) 701-6200 Phone:

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

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

Address Line 2: P.O. BOX 569

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

ATTORNEY DOCKET NUMBER:	P32995US1/27060US.1
NAME OF SUBMITTER:	RONAK A. PATEL
SIGNATURE:	/Ronak A. Patel/
DATE SIGNED:	02/16/2018

Total Attachments: 3

source=P32995US1_Assignments#page1.tif source=P32995US1_Assignments#page2.tif source=P32995US1 Assignments#page3.tif

> **PATENT** REEL: 044953 FRAME: 0217 504781471

ASSIGNMENT OF PATENT APPLICATION

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

SOLID STATE DEPOSITION OF MAGNETIZABLE MATERIALS

(Atty. Docket No. P32995US1/27060US.1)	
for which I have executed an application on e-	ven date herewith.
which bears application No. 15/890,618	······
which is a U.S. provisional application.	
For good and valuable consideration, the recei acknowledged, I, an undersigned inventor, hereby:	pt and sufficiency of which is hereby
1) Sell, assign and transfer to Apple Inc., a Calife I Infinite Loop, Cupertino, CA 95014 ("ASSIGNEE above-referenced application, any and all improveme concurrent applications, applications having priority of thereof, foreign or Patent Cooperation Treaty ("PCT" part thereon, and any and all patents resulting from suther right to claim priority).	nts and inventions disclosed therein, as well as claims to/from, any derivative applications) applications based in whole or at least in
 Authorize and request the Commissioner of Presulting from said application or any divisional, contrenewal, re-examination or reissue thereof to the ASS 	
3) Agree to execute all papers and documents an perform any acts which are reasonably necessary in eapplication, as well as any derivative applications the the enforcement of patents resulting from such applic.	onnection with the prosecution of said reof, foreign applications based thereon, and/or
4) Agree that the terms, covenants and condition the ASSIGNEE, its successors, assigns and other legal inventor, as well as the inventor's heirs, legal representations.	s of this assignment shall inure to the benefit of the direpresentatives, and shall be binding upon the statives and assigns.
5) Warrant and represent that I have not entered contract, or understanding that conflicts with this assi	
6) Authorize and request my attorney/agent to in with recordal of this assignment.	sert above the application No. in order to assist
Signed on the date indicated beside my signati	ure.
Signature: Typed Name: David S. HERMAN	Date: 1725/18
Typed Name: David S. HERMAN	

(Atty. Docket No. P32995US1/27960US 1)

PATENT REEL: 044953 FRAME: 0218

ASSIGNMENT OF PATENT APPLICATION

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

SOLID STATE DEPOSITION OF MAGNETIZABLE MATERIALS

(Atty. Docket No. P32995US1/27060US.1)
for which I have executed an application on even date herewith.
which bears application No. 15/890,618
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 One Apple Park Way, 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 baving 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.

 $\nu L J$

Typed Name: Simon Regis Louis LANCASTER-LAROCQUE

ASSIGNMENT OF PATENT APPLICATION

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

SOLID STATE DEPOSITION OF MAGNETIZABLE MATERIALS

(Atty. Docket No. P32995US1/27060US.1) for which I have executed an application on even date herewith.
\boxtimes which bears application No. $15/890,618$
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:
Typed Name: Shrayan BHARADWAT/

v { , }

(Atty. Docket No. P32995US1/27060US.1)

RECORDED: 02/16/2018

PATENT REEL: 044953 FRAME: 0220