PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Brett W. DEGNER	12/14/2011
Euan ABRAHAM	12/14/2011
John M. BROCK	12/25/2011
Matthew P. CASEBOLT	12/20/2011
Robert L. COISH	12/14/2011
Laura M. DeFOREST	12/14/2011
Michelle GOLDBERG	12/14/2011
Bradley Joseph HAMEL	12/14/2011
Ron HOPKINSON	12/04/2011
Jim HWANG	12/19/2011
Caitlin E. KALINOWSKI	12/21/2011
Steven D. KEIPER	12/14/2011
Patrick KESSLER	12/14/2011
Eugene KIM	12/25/2011
Chris LIGTENBERG	12/14/2011
Jay K. OSBORN	12/14/2011
John RAFF	12/20/2011
Nicholas A. RUNDLE	12/14/2011
David J. YEH	12/20/2011

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
		DATENT

REEL: 029051 FRAME: 0683

H \$40.00

Application Number: | 13613253

CORRESPONDENCE DATA

Fax Number: 4083413098

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: galicea@wcsr.com

Correspondent Name: WOMBLE CARLYLE SANDRIDGE & RICE LLP

Address Line 1: 10050 North Wolfe Road, Suite 260

Address Line 2: Attn: Michael J. Ferrazano
Address Line 4: Cupertino, CALIFORNIA 95014

ATTORNEY DOCKET NUMBER: A66731 2240US.C2

NAME OF SUBMITTER: Michael J. Ferrazano

Total Attachments: 4

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> PATENT REEL: 029051 FRAME: 0684

ASSIGNMENT OF PATENT APPLICATION

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

PORTABLE COMPUTING DEVICE

TORTABLE COM CTING DE VICE			
(Attorney Docket No. P10198USC1/2240US.C1), (check one)			
for which I have executed a U.S. Patent Application on even date herewith. (Accompanying) which bears U.S. Application No (Not accompanying) which is a U.S. Provisional Application. (Accompanying)			
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:			
Sell, assign and transfer to Apple Inc., a California corporation having a place of business at 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.			
1) Signature: Math William Date: 12-14-2011 Typed Name: Brett W. DEGNER			
2) Signature: Date: 12-14-2011 Typed Name: Euan ABRAHAM			
3) Signature: John M. BROCK Date: 125-201/			

Attorney Docket No.: P10198USC1/2240US.C1

Page 1 of 2

-		MXQQ D	Date: 12/20/11
4)	Signature: C Typed Name:	Matthew P CASEBOLT	Date.
5)	Signature: Typed Name:	Robert L. COISH	Date: 12/14/2011
6)	Signature: Typed Name:	Laura M. DeFOREST	Date: 12/14/11
7)	Signature: 4 Typed Name:	Michelle GOLDBERG	Date: 12 14 11
8)	Signature: Typed Name:	Bracker Joseph HAMEL	Date: 12/14/2011
9)	Signature: Typed Name:	Ron HOPKINSON	Date: 12/4/20//
10)	Signature: Typed Name:	Jig HWANG	Date: <u>[2/19/1</u> /
11)	Signature: Typed Name:	Caitlin E. KALINOWSKI	Date: $\frac{12/21/11}{2}$
12)	Signature: Typed Name:	Steven D. KEIPER	Date: 12/14/2011
13)	Signature: Typed Name:	Patrick KESSLER	Date: 12/14/2011
14)	Signature:	Eugene KIM	Date: 12/21/11
15)	Signature: Typed Name:	Chris LIGTENBERG	Date: 12-14-2-11
16)	Signature: Typed Name:	Jay K. OSBORN	Date:
17)	Signature: Typed Name:	John BAFF	Date: 12.20.11
18)	Signature: Typed Name:	Man Nicholas A. RUNDLE	Date: 12-14-2011
19)	Signature: Typed Name:	David J. YEH	Date: 12-20-2011

ASSIGNMENT OF PATENT APPLICATION

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

PORTABLE COMPUTING DEVICE

(Attorn	ey Docket No.	P10198USC1/2240US.0	C1), (check one)	
	which bears	have executed a U.S. Pa 3 U.S. Application No J.S. Provisional Applica		on even date herewith. (Accompanying) . (Not accompanying) g)
acknow	For good and waledged, I, an un	raluable consideration, the dersigned inventor, her	ne receipt and suff eby:	iciency of which is hereby
all imn	ite Loop, Cuper	tino, CA 95014 ("ASSI inventions disclosed in,	GNEE"), the entir applications based	ration having a place of business at re right, title and interest in any and lupon, and patents granted upon ove-referenced application.
2) resultir reissue	Authorize and ng from said Ap thereof to the	plication or any division	ner of Patents to iss n, continuation, su	sue any and all United States Patents bstitute, renewal, re-examination or
Applic	n any acts which ation, as well a	h are reasonably necess:	ary in connection vious thereof, forei	at the ASSIGNEE's expense, with the prosecution of said gn applications based thereon, and/or
4) of the	ASSIGNEE, its	terms, covenants and co successors, assigns and as the inventor's heirs, le	other legal repres	ssignment shall inure to the benefit entatives, and shall be binding upon s and assigns.
5) or und	Warrant and re-	epresent that I have not conflicts with this Assig	entered and will no gnment.	ot enter into any assignment, contract
6) with re	Authorize and ecordal of this A	request my attorney/age Assignment.	ent to insert above	the Application No. in order to assist
	Signed on the	date indicated beside m	y signature.	
1)	Signature: Typed Name:	Brett W. DEGNER		Date:
2)	Signature: Typed Name:	Euan ABRAHAM		Date:
3)	Signature: Typed Name:	John M. BROCK		Date:

PATENT REEL: 029051 FRAME: 0687

4)	Signature:		Date:
	Typed Name:	Matthew P. CASEBOLT	
5)	Signature:		Date:
	Typed Name:	Robert L. COISH	
6)	Signature:		Date:
	Typed Name:	Laura M. DeFOREST	
7)	Signature:		Date:
	Typed Name:	Michelle GOLDBERG	
8)	Signature:		Date:
	Typed Name:	Bradley Joseph HAMEL	
9)	Signature:	P. WODWINGOV	Date:
	Typed Name:	Ron HOPKINSON	
10)	Signature:		Date:
	Typed Name:	Jim HWANG	
11)	Signature:	C. A. P. VAI INOMANI	Date:
	Typed Name:	Caitlin E. KALINOWSKI	
12)	Signature:	Seeman D. WEIDED	Date:
	Typed Name:	Steven D. KEIPER	
13)	Signature:	Patrick KESSLER	Date:
	Typed Name:	Fauler RESSLER	_
14)	Signature: Typed Name:	Eugene KIM	Date:
		Engene Kilvi	
15)	Signature: Typed Name:	Chris LIGTENBERG	Date:
		My K. O	Date: 14 Dec 2011
16)	Signature: Typed Name:	Jay K. OSBORN	Date: 1 1 0 co
16%		•	Date:
17)	Signature: Typed Name:	John RAFF	Date.
10\	• • • • • • • • • • • • • • • • • • •		Date:
18)	Signature: Typed Name:	Nicholas A. RUNDLE	
19)	Signature:		Date:
17)	Typed Name:	David J. YEH	

PATENT REEL: 029051 FRAME: 0688

RECORDED: 09/29/2012