

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Liquan Tan</td> <td>06/05/2009</td> </tr> <tr> <td>Harold Welch</td> <td>06/05/2009</td> </tr> <tr> <td>Wing Kong Low</td> <td>06/05/2009</td> </tr> <tr> <td>Chad Bronstein</td> <td>06/05/2009</td> </tr> </tbody> </table>		Name	Execution Date	Liquan Tan	06/05/2009	Harold Welch	06/05/2009	Wing Kong Low	06/05/2009	Chad Bronstein	06/05/2009
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Liquan Tan	06/05/2009										
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Chad Bronstein	06/05/2009										
RECEIVING PARTY DATA											
Name:	Apple Inc.										
Street Address:	1 Infinite Loop										
City:	Cupertino										
State/Country:	CALIFORNIA										
Postal Code:	95014										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12479631</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12479631						
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Application Number:	12479631										
CORRESPONDENCE DATA											
Fax Number:	(408)255-8002										
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ATTORNEY DOCKET NUMBER:	APL1P591										
NAME OF SUBMITTER:	Michael J. Ferrazano										
Total Attachments: 1 source=APL1P591_ASSIGNMENTASFILED#page1.tif											

CH \$40.00 12479631

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PATENT
REEL: 023048 FRAME: 0757

ASSIGNMENT OF PATENT APPLICATION

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

EFFICIENTLY EMBEDDING INFORMATION ONTO A KEYBOARD MEMBRANE

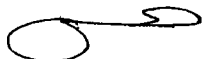
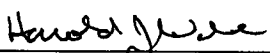

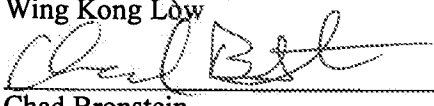
(Atty. Docket No. APL1P591/P7959US1), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
 which bears U.S. application No. 12/479,631. (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:

- 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.

1)	Signature: 	Date: <u>6/5/09</u>
	Typed Name: Liquan Tan	
2)	Signature: 	Date: <u>6/5/09</u>
	Typed Name: Harold Welch	
3)	Signature: 	Date: <u>6/5/09</u>
	Typed Name: Wing Kong Low	
3)	Signature: 	Date: <u>6/5/09</u>
	Typed Name: Chad Bronstein	