

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	08/31/2007
CONVEYING PARTY DATA	
Name	Execution Date
Fingerworks, Inc.	08/31/2007
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:	09681178
CORRESPONDENCE DATA	
Fax Number:	(213)892-5454
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2138925752
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Correspondent Name:	Morrison & Foerster LLP
Address Line 1:	555 West Fifth Street
Address Line 2:	Suite 3500
Address Line 4:	Los Angeles, CALIFORNIA 90013
ATTORNEY DOCKET NUMBER:	106842008900
NAME OF SUBMITTER:	Glenn M. Kubota
Total Attachments: 5	
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**PATENT**

**REEL: 019849 FRAME: 0346**

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Fingerworks, Inc., ("ASSIGNOR"), a Delaware corporation having a place of business at 1 Infinite Loop, Cupertino, California 95014, has sold, assigned, and transferred and does hereby sell, assign, and transfer to Apple Inc., a California corporation, having a place of business at 1 Infinite Loop, Cupertino, California 95014 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

The entire worldwide right, title, and interest in all inventions and improvements that are disclosed in the patents and patent applications listed on the attached Exhibit A, including the entire worldwide right, title, and interest in and to: (a) the patents and patent applications listed on the attached Exhibit A, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications thereto that have been or may be filed in the United States or elsewhere in the world; (c) patents that may be granted on the applications set forth in (a) and (b) above; and (d) any cause of action relating to any of the foregoing patents or applications including the right to collect past damages.

ASSIGNOR agrees that ASSIGNEE may apply for and receive patents for any of the foregoing in ASSIGNEE's own name.

ASSIGNOR agrees to do the following, when requested, and without further consideration, to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles, and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the patents listed on the attached Exhibit A; and (3) do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the patents listed on the attached Exhibit A and for vesting in ASSIGNEE the rights, titles, and

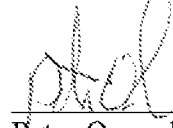
interests herein conveyed. ASSIGNOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

ASSIGNOR represents that ASSIGNOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the ASSIGNOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Executed this 31 day of August, 2007.

FINGERWORKS, INC.



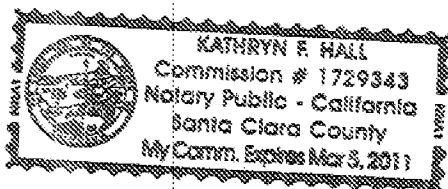
Peter Oppenheimer  
President

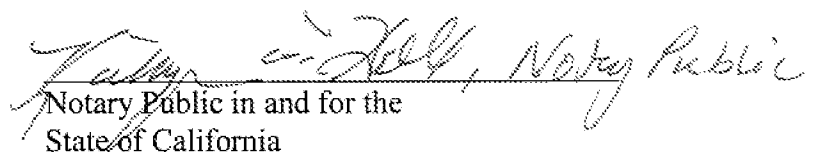
STATE OF CALIFORNIA

COUNTY OF SANTA CLARA

BEFORE ME, the undersigned authority, on this day personally appeared Peter Oppenheimer, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 31 day of August, 2007.



  
Notary Public in and for the  
State of California

Title	Country	App. No	App. Date
MULTI-TOUCH SYSTEM AND METHOD FOR EMULATING MODIFIER KEYS VIA FINGERTIP CHORDS	United States	09/681,178	2/10/01
MULTI-TOUCH SYSTEM AND METHOD FOR EMULATING MODIFIER KEYS VIA FINGERTIP CHORDS	United States	11/140,529	5/27/05
SYSTEM AND METHOD FOR PACKING MULTI-TOUCH GESTURES ONTO A HAND	United States	11/351,928	2/10/06
SYSTEM AND METHOD FOR PACKING MULTI-TOUCH GESTURES ONTO A HAND	United States	10/065,252	9/28/02
SYSTEM AND METHOD FOR RECOGNIZING TOUCH TYPING UNDER LIMITED TACTILE FEEDBACK CONDITIONS	United States	09/681,146	1/28/01
SYSTEM AND METHOD FOR RECOGNIZING TOUCH TYPING UNDER LIMITED TACTILE FEEDBACK CONDITIONS	United States	11/332,861	1/13/06
CAPACITIVE SENSING ARRANGEMENT	United States	11/428,501	7/3/06
ELLIPSE FITTING FOR MULTI-TOUCH SURFACES	United States	11/677,958	2/22/07
IDENTIFYING CONTACTS ON A TOUCH SURFACE	United States	11/428,522	7/3/06
IDENTIFYING CONTACTS ON A TOUCH SURFACE	United States	11/428,521	7/3/06
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	United States	09/236,513	1/25/99
MULTI-TOUCH CONTACT MOTION EXTRACTION	United States	11/559,822	11/14/06
MULTI-TOUCH CONTACT MOTION EXTRACTION	United States	11/559,763	11/14/06
MULTI-TOUCH CONTACT TRACKING ALGORITHM	United States	11/559,736	11/14/06
MULTI-TOUCH HAND POSITION OFFSET COMPUTATION	United States	11/559,833	11/14/06
MULTI-TOUCH MOTION EXTRACTION	United States	11/559,799	11/14/06
TOUCH SURFACE	United States	11/428,503	7/3/06
USER INTERFACE GESTURES	United States	11/428,506	7/3/06
USER INTERFACE GESTURES	United States	11/428,515	7/3/06
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	United States	11/015,434	12/17/04
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	United States	09/919,266	7/31/01
TOUCH SENSING WITH A COMPLIANT	United States	11/830,815	7/30/07
TOUCH SENSING WITH MOBILE SENSORS	United States	11/830,808	7/30/07
TYPING WITH A TOUCH SENSOR	United States	11/830,801	7/30/07
WRITING USING A TOUCH SENSOR	United States	11/830,793	7/30/07
TOUCH SENSING THROUGH HAND DISSECTION	United States	11/830,788	7/30/07
SENSOR ARRANGEMENT FOR USE WITH A TOUCH SENSOR	United States	11/830,781	7/30/07
TOUCH SENSING ARCHITECTURE	United States	11/830,774	7/30/07
CONTACT TRACKING AND IDENTIFICATION MODULE FOR TOUCH SENSING	United States	11/830,766	7/30/07
SENSOR ARRANGEMENT FOR USE WITH A TOUCH SENSOR THAT IDENTIFIES HAND PARTS	United States	11/830,757	7/30/07

	Title	Country	App. No	App. Date
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Australia	24673/99	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Canada	2,318,815	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	99904228.6	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	06016833.3	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	06016856.4	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	06016832.5	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	06016830.9	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	06016855.6	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	06016857.2	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	06016831.7	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	EPC	06016858.0	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	01100721.5	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	07100223.2	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	07100224.1	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	07100225.0	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	07100226.9	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	07100227.8	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	07100228.7	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	07100229.6	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Hong Kong	07100230.3	1/25/99
	METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Israel	137478	1/25/99

Title	Country	App. No	App. Date
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Japan	2000-528974	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Japan	2007-098879	4/4/07
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Japan	2007-098883	4/4/07
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Japan	2007-098888	4/4/07
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Japan	2007-098890	4/4/07
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Japan	2007-098909	4/4/07
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	Japan	2007-098913	4/4/07
MULTI-TOUCH SURFACE APPARATUS	Japan	2007-098855	4/4/07
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2000-7008121	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2006-7006420	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2006-7006419	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2006-7006418	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2006-7006417	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10/2006-7006416	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2006-7006415	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2006-7006421	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2006-7006413	1/25/99
METHOD AND APPARATUS FOR INTEGRATING MANUAL INPUT	South Korea	10-2006-7006412	1/25/99