

10-27-2008



103531987

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

80476311

**1. Name of conveying party(ies)**

Timothy David Cherna  
Ralph Thomas Brunner

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: Apple Inc.

Internal Address: \_\_\_\_\_

Street Address: 1 Infinite Loop

City: Cupertino

State: California

Country: USA Zip: 95014

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 10/1/08; 09/30/08

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

US Application No. 12/182,028

- 1. Filing Date: July 29, 2008
- 2. Title: DIFFERENTIAL IMAGE ENHANCEMENT

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Michael G. Fletcher

Internal Address: Fletcher Yoder

P.O. Box 692289, Houston, Texas 77269-2289

Street Address: 7915 FM 1960 West, Suite 330

City: Houston

State: Texas Zip: 77070

Phone Number: (281) 970-4545

Fax Number: (281) 970-4503

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:** 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 06-1315

Authorized User Name Michael G. Fletcher

**9. Signature:**

Signature

October 21, 2008

Date

Michael G. Fletcher  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

## ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **Apple Inc.** (the "Assignee"), a corporation of the State of California, having a place of business at **1 Infinite Loop, Cupertino, CA 95014**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which is entitled "**DIFFERENTIAL IMAGE ENHANCEMENT**" and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST that any attorney associated with PTO Customer No. 73576 may insert additional information identifying this application below after execution of this assignment;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

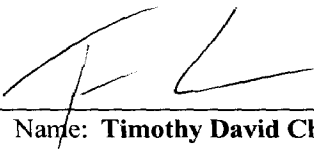
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

**Additional Application Information**

U.S. Provisional Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

U.S. Non-Provisional Application Serial No. 12/182,028, filed on July 29, 2008.

International Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

(Signature):   
Name: **Timothy David Cherna**

Date: October 1, 2008

STATE OF CALIFORNIA       §  
  §  
COUNTY OF \_\_\_\_\_ §

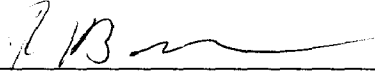
On \_\_\_\_\_, 2008, before me, \_\_\_\_\_, appeared **Timothy David Cherna**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

(Signature):   
Name: **Ralph Thomas Brunner**

Date: SEPT 30 2008

STATE OF CALIFORNIA       §  
  §  
COUNTY OF \_\_\_\_\_ §

On \_\_\_\_\_ before me, \_\_\_\_\_, appeared **Ralph Thomas Brunner**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

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[SEAL]