U.S. PTO 11/899033 09/04/2007

PATENT REEL: 019838 FRAME: 0810 .

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|   | HOJO  |
| 1. Name of conveying party(ies)   | 2. Name and address of receiving party(ies  |
| Christopher Tremblay  | Name: Apple Inc.  |
|   | Internal Address:   |
| Additional name(s) of conveying party(ies) attached? Yes 🗹  | No  |
| 3. Nature of conveyance/Execution Date(s):<br>Execution Date(s) 08/31/07  | Street Address: <u>1 Infinite Loop</u>  |
| Assignment Merger   |   |
| Security Agreement Change of Name   | City: Cupertino   |
| Joint Research Agreement  | State: California   |
| Government Interest Assignment  |   |
| Executive Order 9424, Confirmatory License  | Country:_USAZip:_95014  |
| Other   | Additional name(s) & address(es) attached?  |
|   |   |
|   | s attached? Yes VNo   |
| Additional number<br>5. Name and address to whom correspondence<br>concerning document should be mailed:  |   |
| 5. Name and address to whom correspondence  | 6. Total number of applications and patent involved:1   |
| 5. Name and address to whom correspondence concerning document should be mailed:  | 6. Total number of applications and patent<br>involved:1<br>7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00   |
| 5. Name and address to whom correspondence<br>concerning document should be mailed:<br>Name: Michael G. Fletcher  | 6. Total number of applications and patent  |
| 5. Name and address to whom correspondence<br>concerning document should be mailed:<br>Name: Michael G. Fletcher  | <ul> <li>6. Total number of applications and patent involved: 1</li> <li>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00</li> <li>Authorized to be charged by credit card</li> </ul>  |
| 5. Name and address to whom correspondence<br>concerning document should be mailed:<br>Name: Michael G. Fletcher<br>Internal Address: FLETCHER YODER  | <ul> <li>6. Total number of applications and patent involved:</li></ul>   |
| 5. Name and address to whom correspondence<br>concerning document should be mailed:<br>Name: Michael G. Fletcher<br>Internal Address: FLETCHER YODER  | 6. Total number of applications and patent<br>involved:   |
| 5. Name and address to whom correspondence<br>concerning document should be mailed:<br>Name: Michael G. Fletcher<br>Internal Address: FLETCHER YODER<br>Street Address: P.O. BOX 692289   | 6. Total number of applications and patent<br>involved:1<br>7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00<br>✓ Authorized to be charged by credit card  |
| 5. Name and address to whom correspondence<br>concerning document should be mailed:<br>Name: Michael G. Fletcher<br>Internal Address: FLETCHER YODER<br>Street Address: P.O. BOX 692289<br>City: Houston  | 6. Total number of applications and patent<br>involved:1<br>7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00<br>↓ Authorized to be charged by credit card<br>↓ Authorized to be charged to deposit acco<br>↓ Enclosed<br>↓ None required (government interest not affin<br>8. Payment Information<br>a. Credit Card Last 4 Numbers 5002<br>Expiration Date 10/2008   |
| 5. Name and address to whom correspondence concerning document should be mailed:         Name:       Michael G. Fletcher         Internal Address:       FLETCHER YODER         Street Address:       P.O. BOX 692289         City:       Houston         State:       Texas         Zip:       77269-2289  | 6. Total number of applications and patent<br>involved:1<br>7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00<br>Authorized to be charged by credit card<br>Authorized to be charged by credit card<br>Enclosed<br>None required (government interest not affine<br>8. Payment Information<br>a. Credit Card Last 4 Numbers 5002<br>Expiration Date 10/2008<br>b. Deposit Account Number/   |
| 5. Name and address to whom correspondence<br>concerning document should be mailed:<br>Name: Michael G. Fletcher<br>Internal Address: FLETCHER YODER<br>Street Address: P.O. BOX 692289<br>City: Houston<br>State: Texas Zip: 77269-2289<br>Phone Number: (281) 970-4545  | 6. Total number of applications and patent<br>involved:1<br>7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00<br>Authorized to be charged by credit card<br>Authorized to be charged by credit card<br>Enclosed<br>None required (government interest not affine<br>8. Payment Information<br>a. Credit Card Last 4 Numbers 5002<br>Expiration Date 10/2008<br>b. Deposit Account Number/   |
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## 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 "Assignce"), a corporation of the State of Delaware, 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 "ANTI-ALIASING OF A GRAPHICAL OBJECT." 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 Assignce;

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 early 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 1             | No, filed on  |  |
| U.S. Non-Provisional Application Seria            | l No, filed on  |  |
|   | , filed on  |  |
| (Signature)                                       | Date: 3 Aug 07  |  |
| Name: Christopher Tremblay         STATE OF       | , 2007, personally appeared Christopher Trembley known to |  |
| the purposes and consideration therein expressed. |   |  |
| [SEAL] Notary or Consular Officer                 |   |  |