Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| Phillip M. Hobson | 02/21/2008 |
| Robert J. Hill | 01/29/2008 |
| Robert W. Schlub | 01/22/2008 |
| Juan Zavala | 01/23/2008 |
| Tang Yew Tan | 01/02/2008 |
| Richard Hung Minh Dinh | 01/09/2008 |
| Kenneth A. Jenks | 01/03/2008 |
| Robert Sean Murphy | 01/02/2008 |
| Erik L. Wang | 02/21/2008 |

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: | 11968331 |

CORRESPONDENCE DATA

Fax Number: (650)326-2422

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

Phone: 6503262400

Email: gjsikora@townsend.com

Correspondent Name: Barmak Sani

Address Line 1: Two Embarcadero Center, Eighth Floor Address Line 4: San Francisco, CALIFORNIA 94111

PATENT

500473013 REEL: 020563 FRAME: 0157

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| ATTORNEY DOCKET NUMBER: | 20750P-001910US |
|----------------------------------|-----------------|
| NAME OF SUBMITTER: | Barmak Sani |
| Total Attachments: 12 | |
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| source=Apl_001910_Asn#page12.tif | |

PATENT REEL: 020563 FRAME: 0158

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Phillip M. Hobson of 315 Central Avenue, Menlo Park, California 94025;

Robert J. Hill of 8711 Lilac Court, Salinas, California 93907;

Robert W. Schlub of 4099 Keith Drive, Campbell, California 95008;

Juan Zavala of 503 Niguel, Watsonville, California 95076;

Tang Yew Tan of 549 Kansas Street, San Francisco, California 94107;

Richard Hung Minh Dinh of 134 Destry Court, San Jose, California 95136;

Kenneth A. Jenks of 10194 Danube Drive, Cupertino, California 95014;

Robert Sean Murphy of 509 S. Cashmere Terrace, Sunnyvale, California 94087; and

Erik L. Wang of 2043 Goodwin Avenue, Redwood City, California 94061,

hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

WIRELESS PORTABLE DEVICE WITH

REDUCED RF SIGNAL INTERFERENCE

Filing Date:

January 2, 2008

Application No.:

11/968,331; and

WHEREAS, Apple Inc., a corporation of the State of California, located at 1 Infinite Loop, M/S 3-PAT, Cupertino, California 95014, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other

Page 1 of 2

PATENT REEL: 020563 FRAME: 0159

Client Reference No.: P4854US1

acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

| Dated: 2/21/08 | Phillip M. Hobson |
|----------------|----------------------------------|
| Dated: | Robert J. Hill |
| Dated: | Robert W. Schlub |
| Dated: | Juan Zavala |
| Dated: | Tang Yew Tan |
| Dated: | Richard Hung Mình Dinh |
| Dated: | Kenneth A. Jenks |
| Dated: | |
| Dated: 1/21/04 | Robert Sean Murphy Erik L. Wang |
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REEL: 020563 FRAME: 0164

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| | Juan Zavala |
| Dated: | Tang Yew Tan |
| Dated: 1/9/2008 | LUR |
| / / | Richard Hung Minh Dinh |
| Dated: | Kenneth A. Jenks |
| Dated: | |
| | Robert Sean Murphy |
| Dated: | T 1 2 3 1 |
| | Erik L. Wang |
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Page 2 of 2

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| Dated: | |
| Dated: | Juan Zavala |
| Dated: | Tang Yew Tan |
| Dated: 2008/01/03 | Richard Hung Minh Dinh Kenneth A. Janks |
| Dated: | Robert Sean Murphy |
| Dated: | Erik L. Wang |

61225867 v1

Attorney Docket No.: 20750P-001910US

Client Reference No.: P4854US1

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| | | Tang Yew Tan |
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| | | Richard Hung Minh Dinh |
| Dated: | | Kenneth A. Jenks |
| Dated: 01 | 102/2008 | R SEAN MURPHY |
| | | Robert Scan Murphy |
| Dated: | | Erik L, Wang |
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Page 2 of 2