

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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|                              |                |
|------------------------------|----------------|
| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT |
| <b>NATURE OF CONVEYANCE:</b> | ASSIGNMENT     |

**CONVEYING PARTY DATA**

| Name                            | Execution Date |
|---------------------------------|----------------|
| Mitsubishi Electric Corporation | 03/04/2011     |

**RECEIVING PARTY DATA**

|                        |                 |
|------------------------|-----------------|
| <b>Name:</b>           | Apple Inc.      |
| <b>Street Address:</b> | 1 Infinite Loop |
| <b>City:</b>           | Cupertino       |
| <b>State/Country:</b>  | CALIFORNIA      |
| <b>Postal Code:</b>    | 95014           |

**PROPERTY NUMBERS Total: 20**

| Property Type       | Number   |
|---------------------|----------|
| Patent Number:      | 7079877  |
| Application Number: | 11979112 |
| Patent Number:      | 7058432  |
| Patent Number:      | 7660411  |
| Patent Number:      | 7069056  |
| Patent Number:      | 6208879  |
| Patent Number:      | 6535749  |
| Patent Number:      | 6332024  |
| Patent Number:      | 7123903  |
| Application Number: | 11416478 |
| Application Number: | 11008752 |
| Patent Number:      | 7502386  |
| Application Number: | 11980520 |
| Application Number: | 11980519 |
| Patent Number:      | 6226500  |

**CH \$800.00 7079877**

|                     |          |
|---------------------|----------|
| Patent Number:      | 6647258  |
| Patent Number:      | 7218916  |
| Patent Number:      | 7174162  |
| Patent Number:      | 6456841  |
| Application Number: | 11914035 |

**CORRESPONDENCE DATA**

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|                           |  |
|---------------------------|--|
| <b>NAME OF SUBMITTER:</b> | Richard J. Lutton, Jr. - Reg. No. 39,756 |
|---------------------------|--|

**Total Attachments: 5**  
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source=Mitsubishi\_Assignment#page3.tif  
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## ASSIGNMENT OF PATENT RIGHTS

This patent assignment ("Assignment") is entered into as of the below date by and between Mitsubishi Electric Corporation, a company organized under the laws of Japan with a principal place of business at 2-7-3 Marunouchi, Chiyoda-ku, Tokyo 100-8310, Japan ("Assignor"), and Apple Inc., a California corporation with principal place of business at 1 Infinite Loop, Cupertino, CA 95014 ("Assignee").

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, does hereby irrevocably sell, assign, transfer, and convey unto Assignee, or its designees all of Assignor's right, title, and interest in and to all of the following (collectively, the "Patent Rights"):

- (a) the provisional patent applications, patent applications and patents listed in the attached Appendix A (the "Patents");
- (b) all provisional patent applications, patent applications, patents or other similar governmental grants or issuances (i) from which any of the Patents directly or indirectly claims priority and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- (c) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, and divisions of any item in the foregoing categories (a) and (b);
- (d) rights to all inventions claimed in any item in the foregoing categories (a) through (c);
- (e) items in any of the foregoing in categories (a) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, canceled, or the like;
- (f) rights to all inventions, invention disclosures, and discoveries described in any item in the foregoing categories (a) through (e) and all other rights arising out of such inventions, invention disclosures, and discoveries;
- (g) rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type with respect to any inventions claimed in any item in the foregoing categories (a) through (c), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding; and
- (h) causes of action (whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (a) through (c), including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) other remedies of any kind for past, current, and future infringement; and
- (i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in the foregoing categories (b) through (h).

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

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**PATENT**  
**REEL: 026180 FRAME: 0927**

This Assignment of Patent Rights is being entered into in connection with that certain Patent Purchase Agreement between Assignor and Assignee. If there is any inconsistency between this Assignment of Patent Rights and such Patent Purchase Agreement, the Patent Purchase Agreement shall prevail.

Signed on March 4, 2011.

ASSIGNOR

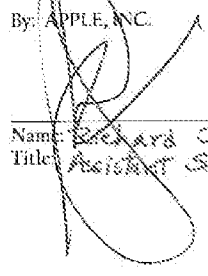
By: MITSUBISHI ELECTRIC CORPORATION



Name: Hisashi Kato  
Title: General Manager, Corporate Licensing Division

ASSIGNEE

By: APPLE, INC.



Name: Richard J. Lutton, Jr.  
Title: Assistant Secretary and Sr. Director of Patents

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ASSIGNMENT OF PATENT RIGHTS

APPENDIX A

| PATENT/APPLICATION NUMBER | COUNTRY           | ISSUE DATE (Patent) | FILING DATE (App) | TITLE   |
|---------------------------|-------------------|---------------------|-------------------|---|
| JP3830773B2               | JP                | October 11, 2006    |                   | Foldable portable telephone using one of the shieldings as a second antenna |
| EP1601045A2               | DE, FR, GB        |                     | April 15, 2002    | Foldable portable telephone using one of the shieldings as a second antenna |
| US7079877B2               | US                | July 18, 2006       |                   | Foldable portable telephone using one of the shieldings as a second antenna |
| CN1252939C                | CN                | April 19, 2006      |                   | Foldable portable telephone using one of the shieldings as a second antenna |
| JP2007259476A             | JP                |                     | April 25, 2007    | MOBILE DEVICE   |
| US2008088553A1            | US                |                     | April 7, 2006     | MOBILE DEVICE   |
| CN1868200A                | CN                |                     | June 8, 2004      | MOBILE DEVICE   |
| JP4498345B2               | JP                | July 7, 2010        |                   | Pointing device and mobile telephone  |
| US7058432B2               | US                | June 6, 2006        |                   | Pointing device and mobile telephone  |
| JP4034333B2               | JP                | January 16, 2008    |                   | PORTABLE TELEPHONE  |
| EP1753208B1               | DE,FR,GB          | November 19, 2008   |                   | PORTABLE TELEPHONE  |
| US7660411                 | US                | February 9, 2010    |                   | PORTABLE TELEPHONE  |
| KR10-0915158              | KR                | August 26, 2009     |                   | PORTABLE TELEPHONE  |
| JP2008236811A             | JP                |                     | July 2, 2008      | Mobile communication terminal equipment and portable electronic apparatus   |
| EP0804009A2               | DE,FR,GB          |                     | April 23, 1997    | Mobile communication terminal equipment and portable electronic apparatus   |
| US7069056B2               | US                | June 27, 2006       |                   | Mobile communication terminal equipment and portable electronic apparatus   |
| US6208879B1               | US                | March 27, 2001      |                   | Mobile communication terminal equipment and portable electronic apparatus   |
| US6535749B1               | US                | March 18, 2003      |                   | Mobile communication terminal equipment and portable electronic apparatus   |
| CN1178536C                | CN                | January 5, 2005     |                   | Mobile communication terminal equipment and portable electronic apparatus   |
| JP3356786B2               | JP                | December 16, 2002   |                   | Portable terminal   |
| JP2008117421A             | JP                |                     | December 28, 2007 | Portable terminal   |
| JP2008159064A             | JP                |                     | December 28, 2007 | Portable terminal   |
| EP1672886A2               | CH,DE,ES,FR,GB,IT |                     | April 5, 2006     | Portable terminal   |

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| PATENT/APPLICATION NUMBER | COUNTRY  | ISSUE DATE (Patent) | FILING DATE (App) | TITLE   |
|---------------------------|----------|---------------------|-------------------|---|
| US6332024B1               | US       | December 18, 2001   |                   | Portable terminal   |
| CN1183431C                | CN       | January 5, 2005     |                   | Portable terminal   |
| JP4225060B2               | JP       | February 18, 2009   |                   | WIRELESS TELEPHONE AND WIRELESS TELEPHONE SYSTEM                            |
| EP1408711B1               | DE,FR,GB | December 23, 2009   |                   | WIRELESS TELEPHONE AND WIRELESS TELEPHONE SYSTEM                            |
| EP2120489                 | DE,FR,GB |                     | August 12, 2009   | WIRELESS TELEPHONE AND WIRELESS TELEPHONE SYSTEM                            |
| US7123903B2               | US       | October 17, 2006    |                   | WIRELESS TELEPHONE AND WIRELESS TELEPHONE SYSTEM                            |
| CN1258949C                | CN       | June 7, 2006        |                   | WIRELESS TELEPHONE AND WIRELESS TELEPHONE SYSTEM                            |
| CN1777329A                | CN       |                     | November 25, 2005 | WIRELESS TELEPHONE AND WIRELESS TELEPHONE SYSTEM                            |
| EP0991249B1               | DE,FR,GB | August 15, 2007     |                   | Mobile communication terminal with remote controlled locked dialling option |
| US11/416,478              | US       |                     | May 3, 2006       | Mobile communication terminal with remote controlled locked dialling option |
| US11/008,752              | US       |                     | December 10, 2004 | Mobile communication terminal with remote controlled locked dialling option |
| EP1804467A1               | DE,FR,GB |                     | October 18, 2004  | PORTABLE TERMINAL   |
| CN1894939A                | CN       |                     | October 18, 2004  | PORTABLE TERMINAL   |
| JP2007074744A             | JP       |                     | October 25, 2006  | COMMUNICATION APPARATUS AND COMMUNICATION METHOD                            |
| JP4402677B2               | JP       | January 20, 2010    |                   | COMMUNICATION APPARATUS AND COMMUNICATION METHOD                            |
| EP1489818B1               | DE,FR,GB | March 10, 2010      |                   | COMMUNICATION APPARATUS AND COMMUNICATION METHOD                            |
| EP2003864A1               | DE,FR,GB |                     | October 8, 2008   | COMMUNICATION APPARATUS AND COMMUNICATION METHOD                            |
| US7502386B2               | US       | March 10, 2009      |                   | COMMUNICATION APPARATUS AND COMMUNICATION METHOD                            |
| US2008123836A1            | US       |                     | October 31, 2007  | COMMUNICATION APPARATUS AND COMMUNICATION METHOD                            |
| US2008130636A1            | US       |                     | October 31, 2007  | COMMUNICATION APPARATUS AND COMMUNICATION METHOD                            |
| KR0674733B1               | KR       | April 21, 2006      |                   | COMMUNICATION APPARATUS AND COMMUNICATION METHOD                            |
| EP1168859B1               | DE,FR,GB | November 24, 2004   |                   | Portable radio communication apparatus using different alphabets            |

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| PATENT/APPLICATION NUMBER                            | COUNTRY  | ISSUE DATE (Patent) | FILING DATE (App) | TITLE   |
|--|----------|---------------------|-------------------|---|
| EP1168861B1  | DE,FR,GB | November 17, 2004   |                   | Portable radio communication apparatus using different alphabets                              |
| EP1168862B1  | DE,FR,GB | April 5, 2006       |                   | Portable radio communication apparatus using different alphabets                              |
| US6226500B1  | US       | May 1, 2001         |                   | Portable radio communication apparatus using different alphabets                              |
| US6647258B2  | US       | November 11, 2003   |                   | Portable radio communication apparatus using different alphabets                              |
| US7218918B2  | US       | May 15, 2007        |                   | Portable radio communication apparatus using different alphabets                              |
| US7174162B2  | US       | February 6, 2007    |                   | Portable radio communication apparatus using different alphabets                              |
| WO2007/007682  | WO       |                     | July 7, 2006      | TOUCH PANEL DISPLAY DEVICE AND PORTABLE APPARATUS   |
| EP1903425A1  | DE,FR,GB |                     | July 7, 2006      | TOUCH PANEL DISPLAY DEVICE AND PORTABLE APPARATUS   |
| US2009091542A1                                       | US       |                     | July 7, 2008      | TOUCH PANEL DISPLAY DEVICE AND PORTABLE APPARATUS   |
| CN1213509C   | CN       | January 6, 2010     |                   | TOUCH PANEL DISPLAY DEVICE AND PORTABLE APPARATUS   |
| KR20080019266A                                       | KR       |                     | July 7, 2006      | TOUCH PANEL DISPLAY DEVICE AND PORTABLE APPARATUS   |
| US6456841B1  | US       | September 24, 2002  |                   | Mobile communication apparatus notifying user of reproduction waiting information effectively |
| CN1247441A   | CN       |                     | June 30, 1999     | Mobile communication apparatus notifying user of reproduction waiting information effectively |
| CN application (application number not yet assigned) | CN       |                     | June 21, 2010     | Mobile communication apparatus notifying user of reproduction waiting information effectively |

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