

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kenji WAKU</td> <td>12/13/2009</td> </tr> <tr> <td>Kunihiko WATANABE</td> <td>12/03/2009</td> </tr> <tr> <td>Yasuhiro ABE</td> <td>12/01/2009</td> </tr> <tr> <td>Tei RIKU</td> <td>12/01/2009</td> </tr> </tbody> </table>		Name	Execution Date	Kenji WAKU	12/13/2009	Kunihiko WATANABE	12/03/2009	Yasuhiro ABE	12/01/2009	Tei RIKU	12/01/2009
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Kunihiko WATANABE	12/03/2009										
Yasuhiro ABE	12/01/2009										
Tei RIKU	12/01/2009										
<b>RECEIVING PARTY DATA</b>											
Name:	KYOCERA CORPORATION										
Street Address:	6, Takeda Tobadono-cho, Fushimi-ku										
City:	Kyoto-shi, Kyoto										
State/Country:	JAPAN										
Postal Code:	612-8501										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12513144</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12513144						
Property Type	Number										
Application Number:	12513144										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(310)785-4601										
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Phone:	310-785-4746										
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ATTORNEY DOCKET NUMBER:	34585.0009										
NAME OF SUBMITTER:	Lawrence J. McClure										
Total Attachments: 2											

CH \$40.00 12513144

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**PATENT  
 REEL: 023670 FRAME: 0582**

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# RECORDATION FORM COVER LETTER PATENTS ONLY

Attorney Docket No.: 34585.0005

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kenji WAKU signed 12-13-2009  
Kunihiro WATANABE signed 12-03-2009  
Yasuhiro ABE signed 12-01-2009  
Tei RIKU signed 12-01-2009

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

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

KYOCERA CORPORATION  
6, Takeda Tobadono-cho, Fushimi-ku  
Kyoto-shi, Kyoto 612-8501  
JAPAN

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

3. Nature of conveyance:

Assignment

Execution Date: December 1, 3 and 13, 2009

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 12/513,144

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Lawrence J. McClure, Esq.  
HOGAN & HARTSON L.L.P.  
1999 Avenue of the Stars, Suite 1400  
Los Angeles, CA 90067

6. Total number of applications and patents involved: [ 1 ]

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

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:

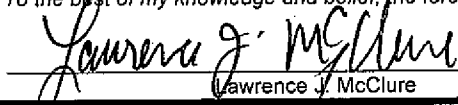
50-1314

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.*

  
\_\_\_\_\_  
Lawrence J. McClure

Date: December 17, 2009

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

**Mail Stop Assignment Recordation Services  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**ASSIGNMENT**

- |                              |                       |     |
|------------------------------|-----------------------|-----|
| (1-8) Name(s) of inventor(s) | (1) Kenji WAKU        | (5) |
|                              | (2) Kunihiro WATANABE | (6) |
|                              | (3) Yasuhiro ABE      | (7) |
|                              | (4) Tei RIKU          | (8) |

In consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- |  |  |
|--|--|
| (9) Name of Assignee   | (9) KYOCERA Corporation  |
| (10) State of Incorporation of Assignee  | (10) Corporation of Japan  |
| (11) Address of Assignee   | (11) of 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto 612-8501 Japan (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as  |
| (12) Identification of Invention, such as Title, Case Number or Foreign Application Number | (12) Portable Wireless Device, 12/513,144 for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon. |
| (13) Date(s) of Signing of Declaration   | (13) on <u>December 1, 2009</u> <u>December 3, 2009</u> and <u>December 13, 2009</u>   |

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints the persons associated with Customer Number:

**000026021** →

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: December 13, 2009 Signature of Inventor 1 渡辺 邦彦 和久健二

Date: December 3, 2009 Signature of Inventor 2 渡辺 邦彦

Date: December 1, 2009 Signature of Inventor 3 長部 泰浩

Date: December 1, 2009 Signature of Inventor 4 陸 婷

Date: \_\_\_\_\_ Signature of Inventor 5 \_\_\_\_\_

Date: \_\_\_\_\_ Signature of Inventor 6 \_\_\_\_\_