

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Masayuki Enomoto</td> <td>07/20/2012</td> </tr> <tr> <td>Tatsushi Aiba</td> <td>07/20/2012</td> </tr> <tr> <td>Shoichi Suzuki</td> <td>07/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masayuki Enomoto	07/20/2012	Tatsushi Aiba	07/20/2012	Shoichi Suzuki	07/10/2012
Name	Execution Date								
Masayuki Enomoto	07/20/2012								
Tatsushi Aiba	07/20/2012								
Shoichi Suzuki	07/10/2012								
RECEIVING PARTY DATA									
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City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	545-8522								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13579219</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13579219				
Property Type	Number								
Application Number:	13579219								
CORRESPONDENCE DATA									
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Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif									

OP \$40.00 13579219

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Chicago, Illinois 60606

**UTILITY PATENT**

**ASSIGNMENT**

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

Name: Masayuki Enomoto  
Address: c/o Sharp Kabushiki Kaisha, 22-22  
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Name: Tatsushi Aiba  
Address: c/o Sharp Kabushiki Kaisha, 22-22  
Nagaike-cho, Abeno-ku, Osaka-shi  
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Name: Shoichi Suzuki  
Address: c/o Sharp Kabushiki Kaisha, 22-22  
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Osaka 545-8522 Japan

hereby assigns, transfers and sets over to:

Name: Sharp Kabushiki Kaisha  
Address: 22-22, Nagaike-cho, Abeno-ku  
Osaka-shi, Osaka 545-8522 Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as:

**MOBILE STATION APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT**

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

- (a) executed on \_\_\_\_\_; or
- (b) filed on \_\_\_\_\_,  
Serial No. \_\_\_\_/\_\_\_\_\_;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Date July 20, 2012

Signature of inventor Masayuki Enomoto  
Masayuki Enomoto

Date July 20, 2012

Signature of inventor Tatsushi Aiba  
Tatsushi Aiba

Date July 10, 2012

Signature of inventor Shoichi Suzuki  
Shoichi Suzuki