

## 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>Hironmichi TOMEBA</td> <td>08/30/2012</td> </tr> <tr> <td>Osamu NAKAMURA</td> <td>08/30/2012</td> </tr> <tr> <td>Shinpei TOH</td> <td>08/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hironmichi TOMEBA	08/30/2012	Osamu NAKAMURA	08/30/2012	Shinpei TOH	08/30/2012
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Hironmichi TOMEBA	08/30/2012								
Osamu NAKAMURA	08/30/2012								
Shinpei TOH	08/30/2012								
RECEIVING PARTY DATA									
Name:	SHARP KABUSHIKI KAISHA								
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City:	Osaka-shi, Osaka								
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>13636054</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13636054				
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Application Number:	13636054								
CORRESPONDENCE DATA									
Fax Number:	7032058050								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	1152-0412PUS1								
NAME OF SUBMITTER:	Charles Gorenstein								
Total Attachments: 2 source=2012-09-19 Assignment 1152-0412PUS1#page1.tif source=2012-09-19 Assignment 1152-0412PUS1#page2.tif									

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PATENT

Attorney Docket: 1152-0412PUS1

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. 13/636,054 Filed September 19, 2012Insert Name(s)  
of Inventor(s) **\*\*\* (Given Name FAMILY NAME (ALL CAPS)) \*\*\***

WHEREAS, Hiromichi TOMEBA, Osamu NAKAMURA and Shinpei TOH, (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title  
of Invention **RADIO COMMUNICATION SYSTEM AND RECEIVING APPARATUS**

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

Insert Date  
of Signing of  
Application on August 30, 2012 andInsert Name  
of Assignee(s)  
Insert Address  
of Assignee(s) **WHEREAS, SHARP KABUSHIKI KAISHA**  
**of 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan**

Its(their) heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee(s)) is(are) desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

**CHECK BOX**  
**IF APPROPRIATE**  **in any foreign countries.**

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

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

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee(s) and to vest all rights therein hereby conveyed to said Assignee(s) as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee(s), as Assignee(s) of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date August 30, 2012, Name of Inventor Hiramichi Tomeba  
(signature) Hiramichi TOMEBA

Date August 30, 2012, Name of Inventor Osamu Nakamura  
(signature) Osamu NAKAMURA

Date August 30, 2012, Name of Inventor Shinpei Toh  
(signature) Shinpei TOH

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)