

## PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Katsunari UEMURA	10/03/2012
RECEIVING PARTY DATA	
Name:	Sharp Kabushiki Kaisha
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13636591
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ATTORNEY DOCKET NUMBER:	5132-0226PUS1
NAME OF SUBMITTER:	CHARLES GORENSTEIN
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OP \$40.00 13636591

ATTORNEY DOCKET NO. 5132-0226PUS1

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. 13/636,591Filed September 21, 2012Insert Name(s)  
of Inventor(s)

\*\*\* (Given Name FAMILY NAME (ALL CAPS)) \*\*\*

WHEREAS,

Katsunari UEMURAInsert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

MOBILE STATION APPARATUS, BASE STATION APPARATUS, COMMUNICATION  
SYSTEM, COMMUNICATION METHOD, INTEGRATED CIRCUIT, AND MOBILE  
STATION APPARATUS CONTROL PROGRAMfor 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  
Applicationon October 3, 2012; andInsert Name  
of AssigneeWHEREAS, Sharp Kabushiki KaishaInsert Address  
of Assigneeof 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 JapanCHECK BOX  
IF APPROPRIATEits heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is 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☐ 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.

ATTORNEY DOCKET NO. 5132-0226PUS1

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 and to vest all rights therein hereby conveyed to said Assignee 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, as Assignee 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 <u>Oct. 3, 2012</u>	Name of Inventor <u>Katsunari Uemura</u> (signature) Katsunari UEMURA
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)