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1. Name of conveying party(ies):

Hiroki KASHIWAGI (10/26/2005) and Go
MATSUBARA (10/26/2005)

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ Government Interest Assignment
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☐ Other

2. Name and address of receiving party(ies)

Name: Sharp Kabushiki Kaisha

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Osaka-Shi Osaka
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JAPAN

City:

State:

Country: Zip:

Additional name(s) & address(es) attached: ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

11/231,869

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Charles Gorenstein
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LLP

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

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9. Signature:

Charles Gorenstein
Signature

December 13, 2005

Date

Charles Gorenstein - 29,271

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

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PATENT
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ASSIGNMENT

Application No. 11/231,869

Filed 9/22/05

Insert Name(s)
of Inventor(s)

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

WHEREAS, Hiroki KASHIWAGI ; Go MATSUBARA

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
BROADCAST STATION, BASE STATION CONTROL DEVICE, RECEIVER, CONTROL METHOD, RECEIVING
METHOD, BROADCAST SYSTEM, RECEPTION PROGRAM, TRANSMISSION PROGRAM, DISTRIBUTION PROGRAM,
AND STORAGE MEDIUM

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 October 26, 2005 ; and

Insert Name
of Assignee

WHEREAS, SHARP KABUSHIKI KAISHA

Insert Address
of Assignee

22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan

its 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

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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 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.

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

| | |
|------------------------|--|
| Date <u>2005/10/26</u> | Name of Inventor <u>Hiroki Kashiwagi</u> (signature) Hiroki KASHIWAGI |
| Date <u>2005/10/26</u> | Name of Inventor <u>Go Matsubara</u> (signature) Go MATSUBARA |
| Date _____ | Name of Inventor _____ (signature) |
| Date _____ | Name of Inventor _____ (signature) |
| Date _____ | Name of Inventor _____ (signature) |
| Date _____ | Name of Inventor _____ (signature) |