

12.6.00

12-26-2000

Attorney Docket No. HIG05 001



PATENT

COVER SHEET

101560785

To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

Name of conveying party(ies):  
Kentaro NAKADA  
Masanao KOBAYASHI  
Akira TOMOMITSU



Name and address of receiving party(ies):

NHK SERVICE CENTER, INC

41-1 UDAGAWACHO SHIBUYA-KU

City Tokyo

Country JAPAN Zip Code \_\_\_\_\_

Additional name(s) of conveying party(ies) attached?

Yes \_\_\_\_ No X

Additional name(s) & address(es) attached?

Yes \_\_\_\_ No X

Nature of conveyance:

X Assignment \_\_\_\_\_ Merger  
\_\_\_\_ Security Agreement \_\_\_\_\_ Change of Name  
Execution Date: November 20, 2000

Total number of applications and patents involved: 1

A. Patent Application No.(s)  
and Filing Date(s)  
**Filed Herewith on:** December 6, 2000

**Inventors:**  
Kentaro NAKADA, Masanao KOBAYASHI &  
Akira TOMOMITSU

Additional numbers attached? Yes \_\_\_\_ No X

If this document is being filed together with a new application, the execution date of the application is: November 20, 2000

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

Name: L. Lawton Rogers, III  
Address: CARTER, LEDYARD & MILBURN  
1401 Eye Street, N.W., Suite 300  
Washington, DC 20005

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 18-1835. A duplicate of this sheet is enclosed.

Total fee (37 C.F.R. 3.41): \$40.00

X Enclosed  
\_\_\_\_ Authorized to be charged to deposit account

12/22/2000 DNGUYEN 00000350 KENTARO NAKADA  
01 FC:581 40.00 OP

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

A handwritten signature in dark ink, appearing to be "J. D. Hall", written over a horizontal line.

Signature

12-06-00

Date

ASSIGNMENT

(1-4) Insert Name(s) of Inventor(s)

(1) Kentaro NAKADA

(2) Masanao KOBAYASHI

(3) Akira TOMOMITSU

(4) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations, the receipt of which is acknowledged by each of the undersigned, the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to

(5) Insert name of Assignee (5) NHK SERVICE CENTER, INC.

(6) Insert address of Assignee (6) 41-1 UDAGAWACHO SHIBUYA-KU  
TOKYO, JAPAN

and its successors, legal representatives and assigns (hereinafter designated as the Assignee) the entire right, title and interest in the invention disclosed and/or claimed in the United States application identified below, as well as all applications for patent and any Letters Patent which may be granted therefor in the United States of America and all foreign countries, and in and to any and all divisions, continuations, continuations-in-part of said applications, or re-issues or extensions of said patents or Letters Patent, and all rights under the International Convention for the Protection of Industrial Property:

(7) Insert Identification of Invention, such as Title, Docket Number, or Foreign Application Number (7) BROADCASTING SYSTEM OF DATA BROADCAST IN TELEVISION  
BROADCASTING (Docket No. HIG05 001)

(8) Insert date of signing of application (8) November 20, 2000

(9) Alternative identification for filed applications (9) Application Number: Unassigned  
Filed: December 6, 2000

The undersigned further agree(s) to cooperate with the Assignee in every way possible and to do all affirmative acts, and to execute all papers which counsel for Assignee shall advise are necessary and/or desirable without charge to Assignee in connection with said applications including, without limitation, the execution of separate assignments in connection with such applications, claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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

The undersigned hereby grant(s) to L. Lawton Rogers, III, Reg. No. 24,302 and D. Joseph English, Reg. No. 42,514 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 Office for recordation of this document.

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

Date Nov. 20, 2000 Signature of Inventor Kentaro Nakada

Date Nov. 20, 2000 Signature of Inventor Masanao Kobayashi

Date Nov. 20, 2000 Signature of Inventor Akira Tomomitsu

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

This assignment should be signed before: (a) two witnesses; (b) a Notary Public if within the U.S.A.; or (c) a U.S. counsel if outside the U.S.A. Each witness should sign here:

Date Nov. 20, 2000

Witness

Date Nov. 20, 2000

Witness