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FORM PTO-1596
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO.:

100805146

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

MRD 8-20-98

jc506 U.S. PTD
09/13/98
08/20/98

1. Name of conveying party(ies):

Shigeki KANEKO; Yoshiyasu TAKEUCHI; Takeshi NAGAO;
Hiroyoshi ISHIBASHI; Masaaki YOSHIKAWA; Ryota TSYKIDATE;
Toru KAWAGUCHI; Aki NAKAGAWA; Tsutomu SHIGESAWA

2. Name and address of receiving party(ies):

Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Internal Address:

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Street Address: 1006, Oaza Kadoma, Kadoma-shi

City: Osaka State/Country: JAPAN ZIP: 571-0050

Execution Date: 05 August 1998

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is: 05 August 1998

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? Yes No

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

Name: LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER

Internal Address:

Street Address: 99 Canal Center Plaza, Suite 420

City: Alexandria State: VA ZIP: 22314

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

07-1337

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9. Statement and signature.

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

Israel Gopstein, Reg. No. 27,333
Name and Registration No. of Person Signing

20 August 1998
Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

09/26/1998 CSTREITE 013551
04 FC:511
PATENT
REEL: 9411 FRAME: 0880

Docket No.: _____

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|-----------|------------|
| (1) _____ | (6) _____ |
| (2) _____ | (7) _____ |
| (3) _____ | (8) _____ |
| (4) _____ | (9) _____ |
| (5) _____ | (10) _____ |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-0050 Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

CONTROL INFORMATION GENERATING APPARATUS FOR BROADCAST SYSTEM

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on August 5, 1998

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Shigeki Kaneko</u> Name: Shigeki Kaneko	August 5, 1998
2) <u>Yoshiyasu Takeuchi</u> Name: Yoshiyasu Takeuchi	August 5, 1998
3) <u>Takeshi Nagao</u> Name: Takeshi Nagao	August 5, 1998
4) <u>Hiroyoshi Ishibashi</u> Name: Hiroyoshi Ishibashi	August 5, 1998
5) <u>Masaaki Yoshikawa</u> Name: Masaaki Yoshikawa	August 5, 1998
6) <u>Ryota Tsukidate</u> Name: Ryota Tsukidate	August 5, 1998
7) <u>Toru Kawaguchi</u> Name: Toru Kawaguchi	August 5, 1998
8) <u>Aki Nakagawa</u> Name: Aki Nakagawa	August 5, 1998
9) <u>Tsutomu Shigesawa</u> Name: Tsutomu Shigesawa	August 5, 1998
10) _____ Name: _____	_____