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FORM PTO-1596
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO.: 041-2079



101803839

To the Honorable Commissioner of

PLEASE MARKS: Please record the attached original documents or copy thereto:

JC979 U.S. PTO
09/916113
07/27/01

1. Name of conveying party(ies):

07/27/01

Tetsuya HINO, Tokyo, Japan; Naoto YAMAGUCHI, Chiba-ken, Japan;
Masao KATO, Yokohama, Japan

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

Name: Matsushita Electric Industrial Company, Ltd.

Internal Address:

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Street Address: 1006, Oaza Kadoma

City: kadoma-shi State or Area: Osaka
Zip/Postal Code: 571-8501 Country: Japan

Execution Date: July 23, 2001

Additional name(s) & address(es) attached? 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: July 23, 2001

A. Patent Application No(s). 09/916113

B. Patent No(s).

Additional numbers attached? No

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

Name: LOWE HAUPTMAN GILMAN & BERNER

Internal Address:

Street Address: 1700 Diagonal Road, Suite 310
City: Alexandria State: VA ZIP: 22314

6. Total number of applications and patents involved: 1

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

Is enclosed

8. Deposit account number:

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Michael G. Gilman
Registration No. 19714

Michael G. Gilman
Signature

July 27, 2001
Date

Total number of pages comprising cover sheet: 1

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

08/07/2001 LHWELLER 00000090 09916113

01 FC:581

40.00 EP

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) Tetsuya HINO (4) _____
- (2) Naoto YAMAGUCHI (5) _____
- (3) Masao KATO (6) _____

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 571-8501 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

REMOTE CONTROL SYSTEM AND HOME GATEWAY APPARATUS

(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 July 23, 2001,

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>Tetsuya Hino</u> Name: Tetsuya Hino	<u>July 23, 2001</u>
2) <u>Naoto Yamaguchi</u> Name: Naoto Yamaguchi	<u>July 23, 2001</u>
3) <u>Masao Kato</u> Name: Masao Kato	<u>July 23, 2001</u>
4) _____ Name: _____	_____
5) _____ Name: _____	_____
6) _____ Name: _____	_____