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532 Rec'd POT/PTC 14 AUG 2000

U.S. Department of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies):

Hiroshi FURUYAMA
Hitoshi YASHIO
Ikio INOUE
Mitsuru ENDO
Masakatsu HOSHIMI

2. Name and address of receiving party(ies)

Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Internal Address: _____

Street Address 1006, Oaza-Kadoma, Kadoma-shi,

Osaka 571-8501 JAPAN

City: _____ State: _____ ZIP: _____

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

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: June 2, 2000

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

If this document is being filed together with a new application, the execution date of the application is: June 2, 2000

A. Patent Application No.(s)

B. Patent No.(s)

09-600 881

Additional numbers attached: Yes No

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

Name: Bruce H. Bernstein

Internal Address: P19895

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1941 Roland Clarke Place

City: Reston State: VA ZIP: 20191

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:

19-0089

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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.

Bruce H. Bernstein Reg. No. 29,027

Name of Person Signing

[Signature]
Signature

Reg No 33,329 8/14/00

Date

Total number of pages including cover sheet, attachments and document: 4

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LISTING OF ADDITIONAL RECEIVING PARTIES

NAME: MATSUSHITA RESEARCH INSTITUTE TOKYO, INC.

STREET ADDRESS: 3-10-1, Higashimita, Tama-ku, Kawasaki-shi,
Kanagawa 214-8501 JAPAN

ASSIGNMENT

WHEREAS, Hiroshi FURUYAMA, a citizen of Japan, whose post office address is 3-1-3, Sengoku, Bunkyo-ku, Tokyo 112-0011 Japan, Hitoshi YASHIO, a citizen of Japan, whose post office address is 3-10-6-701, Chitose, Sumida-ku, Tokyo 130-0025 Japan, Ikuo INOUE, a citizen of Japan, whose post office address is 4-16-9, Kamoi, Midori-ku, Yokohama-shi, Kanagawa 226-0003 Japan, Mitsuru ENDO, a citizen of Japan, whose post office address is 3-33-17-319, Sugao, Miyamae-ku, Kawasaki-shi, Kanagawa 216-0015 Japan, and Masakatsu HOSHIMI, a citizen of Japan, whose post office address is 4-2-25-203, Sagamigaoka, Zama-shi, Kanagawa 228-0001 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

**APPARATUS AND METHOD FOR RETRIEVING A DESIRED
VIDEO/ VOICE SCENES USING VOICE RECOGNITION**

for which they have, on the respective dates indicated below, jointly executed an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office, which is a National Stage Application of International Application No. PCT/JP99/07022, filed on December 14, 1999.

AND WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. organized and existing under the laws of Japan, whose post-office address is 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 Japan, and MATSUSHITA RESEARCH INSTITUTE TOKYO, INC. organized and existing under the laws of Japan, whose post-office address is 3-10-1, Higashimita, Tama-ku, Kawasaki-shi, Kanagawa 214-8501 Japan hereinafter known as the ASSIGNEE, are desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and

enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

Hiroshi Furuyama 2000. 6. 2
Hiroshi FURUYAMA Date

Hitoshi Yashio June 2, 2000
Hitoshi YASHIO Date

Ikuo Inoue June 2, 2000
Ikuo INOUE Date

Mitsuru Endo June 2, 2000
Mitsuru ENDO Date

Masakatsu HOSHIMI June 2, 2002
Masakatsu HOSHIMI Date