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102527633

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

1. Name of Conveying party(ies):
SATO, Kaoru
YASUNAGA, Kazutoshi
MORII, Toshiyuki

3. 21. 45

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: February 14, 2003

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: February 14, 2003

A. Patent Application No.(s)

B. Patent No.(s)

10380626

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: P23505

03/25/2003 SHAJARKU 00000120 10380626

02 FC:0021

40.00 DP

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

1950 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

Bruce H. Bernstein Reg No 33,329

Signature

3/20/03

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 014378 FRAME: 0970

ASSIGNMENT

WHEREAS, Kaoru SATO, a citizen of Japan, whose post office address is 3-33-17, Sugao, Miyamae-ku, Kawasaki-shi, Kanagawa 216-0015 Japan, Kazutoshi YASUNAGA, a citizen of Japan, whose post office address is 1-284-401, Kyo-machi, Fushimi-ku, Kyoto-shi, Kyoto 612-8083 Japan, and Toshiyuki MORII, a citizen of Japan, whose post office address is 3-1-12-304, Nijigaoka, Asao-ku, Kawasaki-shi, Kanagawa 215-0015 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

PITCH CYCLE SEARCH RANGE SETTING APPARATUS AND PITCH CYCLE SEARCH APPARATUS

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/JP02/07850, filed on August 1, 2002.

AND WHENAS, 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, hereinafter known as the ASSIGNEE, is 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.

Kaoru Sato
Kaoru SATO

February 14, 2003
Date

Kazutoshi Yasunaga
Kazutoshi YASUNAGA

February 14, 2003
Date

Toshiyuki Morii
Toshiyuki MORII

February 14, 2003
Date