

10-30-1998



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09/101186 A/D

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

7-6-98 To the Honorable Commission

ached original documents or copy thereof.

1. Name of Conveying party(ies):

Kazutoshi YASUNAGA
Toshiyuki MORII
Taisuke WATANABE
Hiroyuki EHARA

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 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: May 07 & 13, 1998

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: May 07 & 13, 1998

A. Patent Application No.(s)

09/101186

B. Patent No.(s)

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: P16832

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 E

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

19-0089

(Attach duplicate copy of this page if paying by deposit account)

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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

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: 9539 FRAME: 0737

ASSIGNMENT

WHEREAS, Kazutoshi YASUNAGA, a citizen of Japan, whose post office address is 3-33-17, Sugao, Miyamae-ku, Kawasaki-shi, Kanagawa 216 Japan, Toshiyuki MORII, a citizen of Japan, whose post office address is 3-7-501, Nijigaoka 2-chome, Asao-ku, Kawasaki-shi, Kanagawa 215 Japan, Taisuke WATANABE, a citizen of Japan, whose post office address is 2-13, Sakae-cho, Sagamihara-shi, Kanagawa 228 Japan and Hiroyuki EHARA, a citizen of Japan, whose post office address is 170-1-A405, Kamihoshikawa-cho, Hodogaya-ku Yokohama-shi, Kanagawa 240 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

EXCITATION VECTOR GENERATOR, SPEECH CODER AND SPEECH DECODER

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/JP97/04033, filed on November 6, 1997.

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 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 die 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.

Kazutoshi Yasunaga
Kazutoshi YASUNAGA

7/ May /1998
Date

Toshiyuki Morii
Toshiyuki MORII

7/ May /1998
Date

Taisuke Watanabe
Taisuke WATANABE

7/ May /1998
Date

Hiroyuki Ehara
Hiroyuki EHARA

13/ May /1998
Date