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record the attached original document(s)

1. Name of conveying party(ies):

8 21102

Hiroshi MORI, Kiminori KATO, Naoyuki OHARA, Toru ODACHI, Hidetaka YABUUCHI, Hiroyuki KAYAMA, Miki YASUNO, Masayo HAJI, Tadashi MATSUYO, Hidetoshi IMAI, Yasuo OSHIMA, Masaichi FUKUSHIMA, and Atsushi NAKAYAMA

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

Name: Matsushita Electric Industrial Co., Ltd. Street Address: 1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan

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

3. Nature of conveyance:

Additional name(s) & address(es) attached? NO

- X Assignment Merger Security Agreement Change of Name Other

Execution Date: July 22, 2002

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:

A. Patent Application No.(s) 10/160,015, filed June 4, 2002

B. Patent No.(s)

Additional numbers attached? NO

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

Name: WENDEROTH, LIND & PONACK, L.L.P. Attn: Charles R. Watts, Esq.

Street Address: 2033 K Street, N.W., Suite 800

City: Washington, State: DC ZIP: 20006-1021

6. Total number of applications and patents involved: 1

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

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8. Deposit account number: 23-0975

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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.

Charles R. Watts, Reg. No. 33,142 Name of Person Signing

[Signature] Signature

August 21, 2002 Date

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# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)  
of Inventor(s)

Hiroshi MORI, Kiminori KATO, Naoyuki OHARA, Toru ODACHI,

Hidetaka YABUUCHI, Hiroyuki KAYAMA, Miki YASUNO,

Masayo HAJI, Tadashi MATSUYO, Hidetoshi IMAI

Yasuo OSHIMA, Masaichi FUKUSHIMA, and Atsushi NAKAYAMA

the undersigned hereby sell(s) and assign(s) to

Insert Name(s)  
of Assignee(s)

Matsushita Electric Industrial Co., Ltd.

Address

of 1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of  
Invention

SELF-MOVING CLEANER

for which an application for patent in the United States has been executed by the undersigned

Date of Signing  
of Application

on July 22, 2002

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordal of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date July 22, 2002

Hiroshi Mori

Hiroshi MORI

Date July 22, 2002

Kiminori Kato

Kiminori KATO

Date July 22, 2002

Naoyuki Ohara

Naoyuki OHARA

Date July 22, 2002

Toru Odachi

Toru ODACHI

Date July 22, 2002

Hidetaka Yabuuchi

Hidetaka YABUUCHI

Date July 22, 2002

Hiroyuki Kayama

Hiroyuki KAYAMA

Date July 22, 2002

Miki Yasuno

Miki YASUNO

Date July 22, 2002

Masayo Hagi

Masayo HAJI

Date July 22, 2002

Tadashi Matsuyo

Tadashi MATSUYO

Date July 22, 2002

Hidetoshi Imai

Hidetoshi IMAI

Date July 22, 2002

Yasuo Oshima

Yasuo OSHIMA

Date July 22, 2002

Masaichi Fukushima

Masaichi FUKUSHIMA

Date July 22, 2002

Atsushi Nakayama

Atsushi NAKAYAMA

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Shigen Morimoto

Witness Yetsuna Imai

**ACKNOWLEDGMENT**

\_\_\_\_\_  
} ss

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the

above-named \_\_\_\_\_ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

SEAL

The above application may be more particularly identified as follows:

U.S. Application Serial No. 10/160,015 Filing Date June 4, 2002

Applicant Reference Number P28298-01(L.S.Fukuda) Atty Docket No. 2002\_0709A

Title of Invention SELF-MOVING CLEANER