

Form PTO-1595
(Rev. 10/02)

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

Docket No. SANOP0101US

To the Honorable Commissioner of Patents and Trademarks; Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 Kohji Ninomiya Yoshihiro Shimizu
 Mikio Yagi Hideo Nojima
 Shigenori Hato Hisaharu Yagi
 Kazumasa Hayashi Kazuo Nishikawa
 Hiroshi Yoshimura Tetsuyuki Ohtani
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: Sharp Kabushiki Kaisha
 Internal Address: _____

 Street Address: 22-22, Nagaike-Cho
Abeno-ku, Osaka-shi Osaka
 City: 545-8522 Japan State: _____ Zip: _____
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 4/19/2004

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) 10/487,603
 B. Patent No.(s) _____
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Mark D. Saralino
 Internal Address: _____
Renner, Otto, Boisselle & Sklar, LLP

 Street Address: 1621 Euclid Avenue
Nineteenth Floor
 City: Cleveland State: OH Zip: 44115

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:

18-0988

DO NOT USE THIS SPACE

9. Signature.

Mark D. Saralino
Name of Person Signing


Signature

August 17, 2004
Date

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

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

CH \$40.00 180988 10487603

ASSIGNMENT

WHEREAS, the ASSIGNOR(S), being the following named inventor(s):

Kohji Ninomiya
2-3-12, Takatsukadai, Kawai-Cho, Kitakatsuragi-Gun
Nara 636-0071 Japan

Mikio Yagi
7-15-19, Misaki, Suminoe-Ku, Osaka-Shi
Osaka 559-0013 Japan

Shigenori Hato
2108-20, Habu-Cho, Kishiwada-Shi
Osaka 596-0825 Japan

Kazumasa Hayashi
3-17-4, Nishiki, Kaizuka-Shi
Osaka 597-0091 Japan

Hiroshi Yoshimura
3-9-6, Umenosato, Tondabayashi-Shi
Osaka 584-0001 Japan

Yoshihiro Shimizu
2-22-23, Yayoi-Cho, Izumi-Shi
Osaka 594-0061 Japan

Hideo Nojima
2-10-E-109, Tsurumainishimachi, Nara-Shi
Nara 631-0022 Japan

Hisaharu Yagi
5-2-2-21-201, Suzaku, Nara-Shi
Nara 631-0806 Japan

Kazuo Nishikawa
3-1-66-503, Nagayoshideto, Hirano-Ku, Osaka-Shi
Osaka 547-0011 Japan

Tetsuyuki Ohtani
5-1-2-102, Haginodai, Ikoma-Shi
Nara 630-0224 Japan

are inventor(s) of and owner(s) of rights to a certain invention entitled:

For: VACUUM CLEANER AND DEVICE HAVING ION GENERATOR

for which application for Letters Patent of the United States was executed on the date indicated below, and

WHEREAS, the ASSIGNEE:

SHARP KABUSHIKI KAISHA
22-22, Nagaike-Cho, Abeno-Ku, Osaka-Shi
Osaka 545-8522 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement, charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale.

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or his legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Signed:

Date:

Kohji Ninomiya
Kohji Ninomiya

April 19, 2004

Mikio Yagi
Mikio Yagi

April 19, 2004

Shigenori Hato

Shigenori Hato

April 19, 2004

Kazumasa Hayashi

Kazumasa Hayashi

April 19, 2004

Hiroshi Yoshimura

Hiroshi Yoshimura

April 19, 2004

Yoshihiro Shimizu

Yoshihiro Shimizu

April 19, 2004

Hideo Nojima

Hideo Nojima

April 19, 2004

Hisaharu Yagi

Hisaharu Yagi

April 19, 2004

Kazuo Nishikawa

Kazuo Nishikawa

April 19, 2004

Tetsuyuki Ohtani

Tetsuyuki Ohtani

April 19, 2004