

FORM PTO-1595
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102337753

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office**COVER SHEET
ONLY**

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

1. Name of conveying party(ies):

- 1-13-03
- A. Keita HARA
B. Masaki HAMAMOTO
C. Yoshiji OHTA
D. Kenji OHTA

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: Sharp Kabushiki Kaisha

Address: 22-22, Nagaike-cho
Abeno-ku, Osaka-shi
Osaka, Japan

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: December 18, 2002

4. Application number(s) or patent number(s): 10/299,047
filed November 18, 2002

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

A. Patent Application No(s):

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: William J. Daley, Jr. (Reg. No.: 35,487)
Street Address: EDWARDS & ANGELL, LLP
P.O. Box 9169
City: Boston State: MA Zip: 02209

6. Total number of applications and patents involved: **[1]**7. Total fee (37 CFR 3.41):.....\$**40.00**

___ Authorized to be charged to deposit account for additional or excess fees.

8. Deposit account number: 04-1105
(Attach duplicate copy of this page if paying by deposit account)**DO NOT USE THIS SPACE**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.*

William J. Daley, Jr., Reg. No. 35,487
Name of Person Signing

Signature

January 6, 2003
Date

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

OMB No. 0651-0011 (exp. 4/94)

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ATTORNEY DOCKET NO.
58378(70551)

ASSIGNMENT

Application No. _____

November 18,
Filed 2002

Insert Name(s)
of Inventor(s)

WHEREAS, Keita HARA, Masaki HAMAMOTO, Yoshiji OHTA, and
Kenji OHTA

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____
GROUP ROBOT SYSTEM, AND SENSING ROBOT AND BASE STATION
USED THEREFOR

for which an application for Letters Patent of the United States of America has been executed by the undersigned
(except in the case of a provisional application).

Insert Date
of Signing of
Application

on December 18, 2002; and

Insert Name
of Assignee

WHEREAS, Sharp Kabushiki Kaisha

Insert Address
of Assignee

of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of
acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that
may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE

☒ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand
paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned
has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said
Assignee the full and exclusive right to the said invention in the United States of America, its territories,
dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s)
which may be granted therefor in the United States of America, its territories, dependencies and possessions,
and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or
terms for which the same may be granted.

PATENT
REEL: 013650 FRAME: 0701

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion 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, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional, conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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 law firm of Dike, Bronstein, Robert & Cushman 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date <u>December 18, 2002</u> .	Name of Inventor <u>Keita Hara</u> Keita HARA
Date <u>December 18, 2002</u> .	Name of Inventor <u>Masaki Hamamoto</u> Masaki HAMAMOTO
Date <u>December 18, 2002</u> .	Name of Inventor <u>Yoshiji Ohta</u> Yoshiji OHTA
Date <u>December 18, 2002</u> .	Name of Inventor <u>Kenji Ohta</u> Kenji OHTA
Date _____ .	Name of Inventor _____
Date _____ .	Name of Inventor _____
Date _____ .	Name of Inventor _____
Date _____ .	Name of Inventor _____
Date _____ .	Name of Inventor _____