

12-29-2003

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## 1. Name of conveying party(ies):

Keita HARA  
Masaki HAMAMOTO  
Yoshiji OHTA

1217-03

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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

Name: Sharp Kabushiki Kaisha

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

City: Osaka

State/Prov.:

Country: JAPAN

ZIP: 545-8522

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: December 1, 2003 (all Inventors)

## 4. Application number(s) or patent numbers(s):

15739453

If this document is being filed together with a new application, the execution date of the application is: December 1, 2003

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

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

Name: David A. Tucker

Registration No. 27,840

Address: Edwards &amp; Angell, LLP

P.O. Box 9169

City: Boston

State/Prov.: MA

Country: USA

ZIP: 02209

## 6. Total number of applications and patents involved:

1

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

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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.

David A. Tucker

Name of Person Signing

David A. Tucker

Signature

December 17, 2003

Date

3

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UNITED STATES PATENT RIGHTS, OR  
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ATTORNEY DOCKET NO.

ASSIGNMENT

Application No. \_\_\_\_\_

Filed \_\_\_\_\_

Insert Name(s)  
of Inventor(s)

WHEREAS, Keita HARA, Masaki HAMAMOTO and

Yoshiji OHTA

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_

GROUP ROBOT SYSTEM THAT CAN OBTAIN DETAILED OVERALL

INFORMATION OF OBJECT EFFICIENTLY

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 1, 2003 ; and

Insert Name  
of Assignee

WHEREAS, Sharp Kabushiki Kaisha

Insert Address  
of Assignee

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

CHECK BOX  
IF APPROPRIATE

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

☒ 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.

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) to Dike, Bronstein, Roberts & Cushman LLP, Intellectual Property Group of EDWARDS & ANGELL LLP, P.O. Box 9169, Boston, Massachusetts 02209, U.S.A., 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 1, 2003</u>	Name of Inventor <u>Keita Hara</u> Keita HARA
Date <u>December 1, 2003</u>	Name of Inventor <u>Masaki Hamamoto</u> Masaki HAMAMOTO
Date <u>December 1, 2003</u>	Name of Inventor <u>Yoshiji Ohta</u> Yoshiji OHTA
Date _____	Name of Inventor _____
Date _____	Name of Inventor _____
Date _____	Name of Inventor _____
Date _____	Name of Inventor _____
Date _____	Name of Inventor _____
Date _____	Name of Inventor _____