

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

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

Attorney Docket No.: 029118.58318US

RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

(1) Munetoshi UNUMA  
(2) Fumitaka OTSU  
(3) Shinobu SATOU  
(4) So HIGUCHI  
(5) Hideki INOUE

Execution Date(s) (1) 09/20/2006, (2) 09/26/2006,  
(3) 09/21/2006, (4) 09/21/2006, and  
(5) 09/20/2006

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Hitachi, Ltd.

Street Address: 6-6, Marunouchi 1-chome,  
Chiyoda-ku, Tokyo 100-8280  
Japan

and

Name: Hitachi Advanced Systems Corporation

Street Address: 216, Totsuka-cho  
Totsuka-ku, Yokohama-shi  
Kanagawa 244-0003  
Japan

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other Correction requested to Reel/018477  
Frame/0628 as to add the second Assignee.

4. Application number(s) or patent number(s):  This document is being filed together with a new application.

A. Patent Application No.(s)  
11/528,329

B. Patent Registration No.(s)

Additional number(s) attached?  Yes  No

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

Name: Crowell & Moring LLP

Street Address: Intellectual Property Group  
PO Box 14300  
Washington, DC 20044-4300

Phone Number: 202-624-2500  
Fax Number: 202-628-8844

6. Total number of applications and patents involved 1


7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1007  
Expiration Date 10/10

b. Deposit Account Number 05-1323  
Authorized User Name 23911

9. Signature:

  
Signature

Michael H. Jacobs, Reg. No. 41,870  
Name of Person Signing

May 9, 2007  
Date

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5895, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

OP \$40.00 11528329

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/200)



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No.: 029718.56311US

103331687

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.



10.31.06

<b>1. Name of conveying party(ies)/Execution Date(s):</b> (1) Munetoshi UNUMA (2) Fumitaka OTSU (3) Shinobu SATOU (4) So HIGUCHI (5) Hideki INOUE  Execution Date(s) (1) 09/20/2006, (2) 09/26/2006, (3) 09/21/2006, (4) 09/21/2006, and (5) 09/20/2006  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name: Hitachi, Ltd. Street Address: 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280 Japan  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other ____		<b>4. Application number(s) or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) - 11/528,329 B. Patent Registration No.(s)  Additional number(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b> Name: Crowell & Moring LLP Street Address: Intellectual Property Group PO Box 14300 Washington, DC 20044-4300 Phone Number: 202-624-2500 Fax Number: 202-628-8844		<b>6. Total number of applications and patents involved</b> <u>1</u> <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$40.00 <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting filer) <b>8. Payment Information</b> a. Credit Card Last 4 Numbers <u>1007</u> Expiration Date <u>10/10</u> b. Deposit Account Number <u>05-1323</u> Authorized User Name <u>23911</u>	
<b>9. Signature:</b>  Signature Michael H. Jacobs, Reg. No. 41,870 Name of Person Signing		October 31, 2006 Date  Total number of pages including cover sheet, attachments, and documents: <u>3</u>	

Documents to be recorded (including cover sheet) should be faxed to (703) 306-3005, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

11/01/2006 MBERHE 00000177 11520329

01 FC:0021

(48.00 OP)

Attorney Docket No.: Docket No. 029118.58318US

U.S. Rights--Sole or Joint

### ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

Hitachi, Ltd. 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, 100-8280 Japan

Hitachi Advanced Systems Corporation. 216, Totsuka-cho, Totsuka-ku, Yokohama-shi, Kanagawa 244-0003 Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

#### WALKER BEHAVIOR DETECTION APPARATUS

as set forth in his United States Patent Application (check one):

- executed concurrently herewith,
- executed on \_\_\_\_\_
- Serial No. 11/528,329, filed September 28, 2006.

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States, which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith.

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith.

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

Each of the undersigned hereby grants the firm of CROWELL & MORING, L.L.P., or any partner thereof, the power to insert into this Assignment any further identification, which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

**INVENTOR:**  
 Citizenship:  
 Post Office Address/  
  
 Residence:

Munetoshi UNUMA  
 Japan  
 c/o HITACHI LTD., Intellectual Property Group,  
 6-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220,  
 Japan  
 Hitachinaka, Japan

Sep. 20, 2006  
(date)

Munetoshi Unuma  
(signature of 1st inventor)

ASSIGNMENT  
Page 2 of 2

Attorney Docket No. 029118.58318US

**INVENTOR:**  
Citizenship:  
Post Office Address/

**Fumitaka OTSU**  
Japan  
c/o HITACHI, LTD., Intellectual Property Group,  
6-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220,  
Japan  
Residence:  
Yechiyo, Japan

Sep. 26, 2006  
(date)

Fumitaka Otsu  
(signature of 2nd inventor)

**INVENTOR:**  
Citizenship:  
Post Office Address/

**Shinobu SATOU**  
Japan  
c/o Hitachi Advanced Systems Corporation.  
216, Totsuka-cho, Totsuka-ku, Yokohama-shi, Kanagawa  
244-0003 Japan  
Residence:  
Yokohama, Japan

Sep. 21, 2006  
(date)

Shinobu Satou  
(signature of 3rd inventor)

**INVENTOR:**  
Citizenship:  
Post Office Address/

**So HIGUCHI**  
Japan  
c/o Hitachi Advanced Systems Corporation.  
216, Totsuka-cho, Totsuka-ku, Yokohama-shi, Kanagawa  
244-0003 Japan  
Residence:  
Yokohama, Japan

Sep. 21, 2006  
(date)

So Higuchi  
(signature of 4th inventor)

**INVENTOR:**  
Citizenship:  
Post Office Address/

**Hideki INOUE**  
Japan  
c/o HITACHI, LTD., Intellectual Property Group,  
6-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220,  
Japan  
Residence:  
Hitachi, Japan

Sep. 20, 2006  
(date)

Hideki Inoue  
(signature of 5th inventor)

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.