

07-07-2008



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To the Director of the U.S. Patent

103512104

Documents or the new address(es) below.

6-24-08

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

Norihisa YANAGIHARA

Execution Date(s) 6/5/08, 6/9/08, 6/6/08, 6/9/08, 6/5/08

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

2. Name and address of receiving party(ies)

Hitachi Industrial Equipment Systems Co., Ltd.  
AKS Building, 3, Kanda Neribeicho  
Chiyoda-ku  
Tokyo, Japan

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Robert C. Colwell

Internal Address: \_\_\_\_\_

TOWNSEND AND TOWNSEND AND CREW LLP

Street Address: Two Embarcadero Center,  
Eighth Floor

City: San Francisco

State: California Zip: 94111-3834

Phone Number: (415) 576-0200

Fax Number: (415) 576-0300

Email Address: rcc@townsend.com

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 \_\_\_\_\_  
Expiration Date \_\_\_\_\_
- b. Deposit Account Number 20-1430  
Authorized User Name \_\_\_\_\_

9. Signature: \_\_\_\_\_

June 24, 2008

Signature

Date

Robert C. Colwell

Name of Person Signing Atty. Reg. No. 27,431

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, VA 22313-1450

87/03/2008 DBYRNE 00000034 201430 12215063  
01 FC:8021 40.00 DA

1. Additional name(s) of conveying party(ies):  
(Continued from Page 1)

Hajime KIHARA  
Tsutomu YAMADA  
Makiko NAEMURA  
Kenji SEINO

2. Additional name(s) and address(es) of receiving party(ies):  
(Continued from Page 1)

3. Additional application number(s) or patent number(s):  
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

61410141 v1

ASSIGNMENT  
(讓渡証)

144611-01  
(05)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Industrial Equipment Systems Co., Ltd. a corporation organized under the laws of Japan, located at AKS Building, 3, Kanda Neribeicho, Chiyoda-ku, Tokyo, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Industrial Equipment Systems its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi Industrial Equipment Systems Co., Ltd. its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Industrial Equipment Systems Co., Ltd.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Norihisa Yanagihara</u> Norihisa YANAGIHARA	<u>6/5/08</u>
2) <u>Hajime Kihara</u> Hajime KIHARA	<u>6/9/08</u>
3) <u>Tsutomu Yamada</u> Tsutomu YAMADA	<u>6/6/2008</u>
4) <u>Makiko Naemura</u> Makiko NAEMURA	<u>6/9/2008</u>
5) <u>Kenji Seino</u> Kenji SEINO	<u>6/5/08</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____

W 4611-01  
(US)

ASSIGNMENT  
(讓渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Industrial Equipment Systems Co., Ltd. a corporation organized under the laws of Japan, located at AKS Building, 3, Kanda Neribei-cho, Chiyoda-ku, Tokyo, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Industrial Equipment System: its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below ) or us (if plural inventors are named below ) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said Hitachi Industrial Equipment Systems Co., Ltd. its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Industrial Equipment Systems Co., Ltd.

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4) <u>Makiko Naemura</u> Makiko NAEMURA	<u>6/9/2008</u>
5) <u>Kenji Seino</u> Kenji SEINO	<u>6/5/08</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____