



RECORDATION I

07-07-2006



103270047

NT OF COMMERCE nd Trademark Office

To the Honorable Commissioner of Patents and Trademarks: P	ease record the attached original documents or copy thereof.	
Name of conveying party(ies):		
Akira KOJIMA	Name and address of receiving party(ies)	
Atsushi ISHIBASHI	Name: HITACHI, LTD.	
Shinichi MORITA		
Koutaro NOMURA		
Minoru IKEDA		
Shinichi ISHIKURO	Street Address: 6-6, Marunouchi 1-chome, Chiyoda-ku,	
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	Tokyo, Japan	
Nature of conveyance/ Execution Date: February 1, 2006;		
February 1, 2006; February 1, 2006; February 1, 2006; February 1, 2006; February 2, 2006.		
☐ Assignment ☐ Merger	Additional name(s) & address(es) attached? ☐ Yes ☒ No	
☐ Security Agreement ☐ Change of Name		
1 =		
☐ Joint Research Agreement		
Government Interest Assignment		
Executive Order 9424, Confirmatory License		
<u> </u>		
Other CORRECTED ASSIGNMENT Last Inventor had		
error in part of his name on both previous Cover Sheet		
and Not. of Recordation Reel 017702/Frame 0858.		
Application number(s) or patent number(s):	This document is being filed together with a new application,	
	1	
A. Patent Application No.(s)	B. Patent Registration No.(s)	
29/253,904		
29/253,904		
Additional number(s) attached 🔲 Yes 🖾 No		
5. Name and address of party to whom correspondence	0.74	
concerning document should be mailed:	6. Total number of applications and patents involved 1	
1		
1		
	7. Tatal fee (27.05D 2.44)	
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41)	
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	<u> </u>	
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	☐ Authorized to be charged by credit card	
	☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account	
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address:	☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☐ Enclosed	
Internal Address:	☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account	
	☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☐ Enclosed	
Internal Address:	☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☐ Enclosed ☐ None required (government interest not affecting title)	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800	☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☐ Enclosed	
Internal Address:	☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☐ Enclosed ☐ None required (government interest not affecting title)	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209	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:	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600	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:	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666	□ 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:	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600	□ 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: 01-2135	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666	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: 01-2135  01/85/2660 No21132 85665158 29253984	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666	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: 01-2135 07/85/2666 heart 1822 89666159 29253984	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com	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: 01-2135 07/85/2666 hb2/11822 69666159 29253964 Authorized User Name: 49.28 df	
Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com	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: 01-2135 07/85/2665 hb2/13822 65666159 29253904 Authorized User Name: 49.28 df	
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Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com  DO NOT USE  9. Statement and signature. To the best of my knowledge and belief, the foregoing info	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: 01-2135 07/25/2650 http://dia.com/dia	
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Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com  DO NOT USE  9. Statement and signature. To the best of my knowledge and belief, the foregoing info	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: 01-2135 07/45/2660 NEXTERES 69666159 29253964 Authorized User Name: 48.48 CF	
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Internal Address:  1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800  City: ARLINGTON State: VA Zip 22209  Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com  DO NOT USE:  9. Statement and signature.  To the best of my knowledge and belief, the foregoing infois a true copy of the original document.  Melvin Kraus, Reg#22,466	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: 01-2135 CARRAGE NUMBERS BESSESSESSESSESSESSESSESSESSESSESSESSESS	

PATENT REEL: 018060 FRAME: 0613

2/22/10	MK-501.1074009	
5 C R 03 /2	27-2006 U.S. DEPARTMENT OF COMMERCE	
Oxev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. Patent and Trademark Office	
OMB No. 0651-0027 (exp. 6/30/2003)	Attorney Docket No. 501.1079D00	
To the Honorable Commissioner of Pater	riginal documents or copy thereof.	
Name of conveying party(ies):	7	
Akira KOJIMA	2. Name and address of receiving party(ies) Name: HITACHI, LTD.	
Atsushi ISHIBASHI Shinichi MORITA	Name: HIAGH, LID.	
Koutaro NOMURA		
MINORU IKEDA	Street Address: 6-6, Marunouchi 1-chome, Chiyoda-ku,	
Shinichi ISHIKUBO	Tokyo, Japan	
Additional name(s) of conveying party(les) attached?   Yes  No		
3. Nature of conveyance/ Execution Date: 2/1/06; 2/1/06;		
2/1/06; 2/1/06; 2/1/06; 2/2/06.		
⊠ Assignment ☐ Merger		
Security Agreement Change of Name		
☐ Joint Research Agreement		
☐ Government Interest Assignment		
Executive Order 9424, Confirmatory License		
Other.	Additional name(s) & address(es) attached?   Yes   No	
	☐ This document is being filed together with a new application.	
	1	
A. Patent Application No.(s)	B. Patent Registration No.(s)	
29/253,904		
Additional number(s) a	ttached ☐ Yes ⊠ No	
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved 1	
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41) \$40.00	
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	Authorized to be charged to deposit account	
Internal Address:	Enclosed	
1300 NORTH 17 <sup>TH</sup> STREET - SUITE 1800	None required (government interest not affecting title)	
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O'U ARI INOTAN ON A TE ASSAS	8. Payment Information:	
City: ARLINGTON State: VA Zip 22209	a. Credit Card Last 4 numbers: 1073	
Phone Number: (703) 312-6600	Expiration date: 06/06	
Facsimile Number: (703) 312-6666	b. Deposit account number: 01-2135	
Email Address: email@antonelli.com		
	Authorized User Name: William I. Solomon	
	THIS SPACE	
<ol> <li>Statement and signature.</li> <li>To the best of my knowledge and belief, the foregoing inf is a true copy of the original document.</li> </ol>	formation is true and correct and any attached copy	
$\cap$ $\iota$	1-	
Melvin Kraus, Reg#22,466	03/22/06	
Name of Person Signing Signa	ature Date	
Total number of pages including cover sheet, attachments, and document: 2		

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

## **ASSIGNMENT**

(譲渡証)

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, Ltd.,

a corporation organized under the laws of Japan,

located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan,

receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd.,

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, 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, Ltd.,

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

RECORDED: 07/03/2006

INVENTOR(S)

	(発明者フルネームサイン)	(署名日)
1)_	Akvra Kojima	2/1/2006
2)_	Atsushi Oshilashi	2/1/2006
3)_	Stronder Maiste	2/1/2006.
	Kotaro Mommura	2/1/2006
5)_	Muintle	2/1/2006.
6)_	Shinichi Oshikuro	2/2/2006
7)_		
8)		
9)_		
10)		

PATENT REEL: 018060 FRAME: 0615

Date Signed