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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mitsuo Takeda	07/24/2008
Wei Wang	07/24/2008
Tomoaki Yokozeki	07/24/2008
Reika Ishijima	07/24/2008
Yu Qiao	07/24/2008

RECEIVING PARTY DATA

Name:	National University Corporation The University of Electro-Communications	
Street Address:	eet Address: 5-1, Chofugaoka 1-Chome, Chofu-Shi	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	182-8585	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12162370

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 08DU-001

NAME OF SUBMITTER: Martin A. Weeks

INICIO GODINI TELL.

PATENT

REEL: 021297 FRAME: 0056

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Total Attachments: 10

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PATENT REEL: 021297 FRAME: 0057

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

RECORDATION FORM COVER SHEET PATENTS ONLY	
	se record the attached documents or the new address(es) below.
Name of conveying party(ies) Mitsuo TAKEDA, Wei WANG, Tomoaki YOKOZEKI,	Name and address of receiving party(ies) Name: National University Corporation The University of Electro-Communications
Reika ISHIJIMA, Yu QIAO	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes V No 3. Nature of conveyance/Execution Date(s): Execution Date(c) 1/1/24/2008	Street Address: 5-1, Chofugaoka 1-Chome, Chofu-Shi,
Execution Date(s) July 24, 2008 Assignment Merger Security Agreement Change of Name	City: Tokyo
Joint Research Agreement Government Interest Assignment	State:
Executive Order 9424, Confirmatory License Other	Country: Japan Zip: 182-8585 Additional name(s) & address(es) attached? Yes V No
A. Patent Application No.(s)	document is being filed together with a new application. B. Patent No.(s) Lached? Yes VNo
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: IPUSA, PLLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address:	Authorized to be charged by credit card Authorized to be charged to deposit account
Street Address: 1054 31st Street, N.W. Suite 400	Enclosed None required (government interest not affecting title)
City: Washington	8. Payment Information
State: DC Zip:20007	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: <u>202-797-4181</u>	b. Deposit Account Number 50-4424
Fax Number: 202-797-8188	
Email Address: ipusa@ipusapat.com	Authorized User Name <u>Martin A. Weeks</u>
9. Signature: Martin a Weekn Signature	7(28/2008 Date
Martin A. Weeks Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

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, V.A. 22313-1450

ASSIGNMENT

THIS ASSIGNMENT, by (1) Mitsuo TAKEDA. (2) Wei WANG. (3) Tomoaki YOKOZEKI. (4) Reika ISHIJIMA and (5) Yu Oiao (hereinafter referred to as "Assignors"), residing at (1) Chofu-Shi, Tokyo, Japan. (2) Chofu-Shi, Tokyo, Japan. (3) Chofu-Shi, Tokyo, Japan and (5) Chofu-Shi, Tokyo, Japan respectively;

WHEREAS, Assignors have invented certain new and useful improvements in

DISPLACEMENT DETECTION METHOD, DISPLACEMENT DETECTION DEVICE, DISPLACEMENT DETECTION PROGRAM, PHASE SINGULARITY MATCHING METHOD AND PHASE SINGULARITY MATCHING PROGRAM

set forth in a patent application for Letters Patent of the United States, executed concurrently herewith; and

WHEREAS, National University Corporation The University of Electro-Communications (hereinafter referred to as "Assignee"), having offices at 5-1, Chofugaoka 1-Chome, Chofu-Shi, Tokyo 182-8585 Japan, is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuation-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and Assignment not been made;

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights titles, and or interests that have arisen to Assignee under the law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

1

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives, and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns shall advise; that any proceeding in connection with said inventions, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable;

AND Assignors hereby request that the Director of the United States Patent and Trademark Office to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the said Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns;

AND Assignors hereby grant the following individuals 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 United States Patent and Trademark Office for recordation of this document: All practitioners associated with the Customer Number 77464.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

July 24, 2008	Matsur Takofa
Date	Mitsuo TAKEDA
Date	Wel WANG
Date	Tomoaki YOKOZEKI

Date	Reika ISHIJIMA
Data	Yu Olao

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Date	Mitsuo TAKEDA
July 24, 2008	and and
Date	Wel WANG
	1 6 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4
Date	Tomoaki YOKOZEKI

	July 24, 2008	Reika Ishijima
Date		Reika ISHIJIMA
Date		Yu Qiao

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Date	Mitsuo TAKEDA
Date	Wei WANG
July 24, 2008	. Tomoaki YOKOZEKI
Date	Tomoaki YOKOZEKI

Date	Reika ISHIJIMA
July 24, 2008	'u Ovas
Yana	Va Olea