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Takahiro Miyashita Koji Kamel Kazuhiko Shinozawa Addilonal name(s) of conveying partyles) atlached?	1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
Razuhiko Shinozawa Addidional name(s) of conveying partylies) attached? Yes No Street Address: 2.2-2. Hikaridai, Seika-cho, Soraku-gun Street Address: 2.3-2. Hikaridai, Seika-ch	Takahiro Miyashita	Name: Advanced Telecommunications Research Institute International	
Additional name(s) of conveyance/Execution Date(s): Execution Date(s). September 16: 2015, September 17: 2015 Assignment	Koji Kamei	Internal Address:	
Street Address: 2-2-2, Hikandiai, Seika-cho, Soraku-gun	Kazuhiko Shinozawa		
Execution Date(s) September 16, 2015, September 17, 2015 Assignment	Additional name(s) of conveying party(ies) attached? Yes X No		
Assignment	3. Nature of conveyance/Execution Date(s):	Street Address: 2-2-2, Hikaridai, Seika-cho, Soraku-gun	
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 4. Application or patent number(s): A Patent Application No.(s) Application filed concurrently herewith Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: Gerald T. Bodner, Esq. Internal Address: Bodner & O'Rourke, LLP Street Address: 425 Broadhollow Road, Suite 120 City: Melvilla State: New York City: Melvilla State: New York Zip: 11747. Phone Number: (631) 249-7500 Docket Number: 362-109 PCT/US Email Address: gbodner@bodnerorourke.com 9. Signature: Gerald T. Bodner Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:			
State: Joint Research Agreement Joint Research Additional numbers attacked? Joint Research Additional numbers attacked? Joint Research No. (s) Joint Research Research Additional numbers attacked? Joint Research No. (s) Joint Research Research Research No. (s) Joint Research Research Research No. (s) Joint Research Research Research Research No. (s) Joint Research Research Research No. (s) Joint Research Research Research No. (s) Joint Research Resear	X Assignment Merger		
Government Interest Assignment Executive Order 9424. Confirmatory License Other Additional name(s) & address(es) attached? \[Yes \in No 4. Application or patent number(s): A. Patent Application No.(s) Application filed concurrently herewith Additional numbers attached? \[Yes \in No 5. Name and address to whom correspondence concerning document should be mailed: Name: Gerald T. Bodner. Esq. Internal Address: Bodner & O'Rourke, LLP Street Address: 425 Broadhollow Road, Suite 120 Street Address: 425 Broadhollow Road, Suite 120 City: Melville State: New York Zip: 11747. Phone Number: 631) 249-7500 Docket Number: 362-109 PCT/US Email Address: gbodner@bodnerorourke.com 9. Signature: September 25, 2015 Signature: September 25, 2015 Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:	Security Agreement Change of Name	City: Kyoto	
Government Interest Assignment Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? Yes No 4. Application or patent number(s): A. Patent Application No.(s) Application filed concurrently herewith Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: Gerald T. Bodner, Esq. Internal Address: Bodner & O'Rourke, LLP Street Address: 425 Broadhollow Road, Suite 120 City: Melville State: New York Docket Number: 631) 249-7500 Docket Number: 631) 249-7500 Docket Number: 382-109 PCT/US Email Address: goodner@bodnerorourke.com 9. Signature: September 25, 2015 Signature Gerald T. Bodner Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:	Joint Research Agreement	State:	
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4. Application or patent number(s):	Other	Additional name(s) & address(es) attached? Yes No	
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Name: Gerald T. Bodner, Esq. Internal Address: Bodner & O'Rourke, LLP Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information State: New York Phone Number: (631) 249-7500 Docket Number: 362-109 PCT/US Email Address: gbodner@bodnerorourke.com 9. Signature: July T. Bodhur Gerald T. Bodner Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:		1	
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Street Address: 425 Broadhollow Road, Suite 120	Internal Address. Bodner & O Rourke, LEP		
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Deposit Account Number: 502335 14780135 Email Address: gbodner@bodnerorourke.com 9. Signature: September 25, 2015 Signature Date Gerald T. Bodner Name of Person Signing Deposit Account Number: 502335 14780135 Authorized User: Name Gerald Bodner September 25, 2015 Date 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:	State: New York Zip: 11747		
Authorized User Name Gerald Bodner 9. Signature: September 25, 2015 Signature Date Gerald T. Bodner Total number of pages including cover Sheet, attachments, and documents: Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:	Phone Number: (631) 249-7500	TAI MAN TANK WHAN THE MANAGAS BOTOGO TAIGOT	
9. Signature: Jwalch T. Booker September 25, 2015 Signature Date Gerald T. Bodner Total number of pages including cover sheet, attachments, and documents: Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:	Docket Number: 362-109 PCT/US		
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Signature Date Gerald T. Bodner Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:		Authorized UseনিName Geraldন্ত Bodner	
Name of Person Signing sheet, attachments, and documents: Documents to be recorded (including cover sheet) should be faxed to (57.1) 273-0140, or mailed to:	Email Address: gbodner@bodnerorourke.com		
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	Email Address: _gbodner@bodnerorourke.com 9. Signature:	September 25, 2015 Date	
	Email Address: _gbodner@bodnerorourke.com 9. Signature:	September 25, 2015 Date Total number of pages including cover	

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ttorney's Docket No.:	_ PATENI
	For: \times U.S. and/or \subseteq Foreign Rights For: \times U.S. Application; \subseteq U.S. Provisional Application;
	☐ U.S.Patent; or ☑ PCT Application
	By: Inventors or Present Owners
ASSIGNME	NT OF INVENTION
In consideration of the payment by AS(1.00), the receipt of which is hereby acknow	SIGNEE to ASSIGNOR of the sum of One Dollar ledged, and for other good and valuable considerate
SSIGNORS: (inventor(s) of person(s) or entity(ies) wh	o own the invention)
Takahiro MIYASHITA	Koji KAMEI
Name	Name
c/o Advanced Telecommunications Research Institute International 2-2-2, Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0288 Japan	c/o Advanced Telecommunications Research Institute International 2-2-2, Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0288 Japan
Address	Address
Japan Nationality	Japan
Nationality	Nationality
Kazuhiko SHINOZAWA	Norihiro HAGITA
Name	Name
c/o Advanced Telecommunications Research Institute International	c/o Advanced Telecommunications Research Institute International
2-2-2, Hikaridai, Seika-cho, Soraku-gun,	2-2-2, Hikaridai, Seika-cho, Soraku-gun,
Kyoto 619-0288 Japan	Kyoto 619-0288 Japan
Address	Address
Japan	Japan
Nationality	Nationality
Tadahisa KONDO	
Name	
•	
c/o Advanced Telecommunications	
Research Institute International 2-2-2, Hikaridai, Seika-cho, Soraku-gun,	
Kyoto 619-0288 Japan	

Japan . Nationality

Assignment of Invention - Page 1 of 4

(If assignment is by person or e	nfity to whom invention was previously assign	ed and this was recorded in PTO add the following)
Recorded on	Reel	Frame
hereby sells, assigns and	i transfers to	
ASSIGNEE:		
	Advanced Telecommunications	
•	Research Institute International (Type or print name of ASSIGNEE)	
	2-2-2, Hikaridai, Seika-cho, Sorgun, Kyoto 619-0288 Japan	aku-
	Address	
	Japan Nationality	······································
and the successors, assi	gns and legal representatives of the	ASSIGNEE,
	(complete one of the following)	•
	e right, title and interest ided percent (%) inter	rest
for the United States an	d its territorial possessions	
and in al	I foreign countries, including all rig	ghts to claim priority,
in and to any and all im	provements which are disclosed in	the invention entitled:
ROBOT SERVI	CE COOPÉRATION SYSTEM,	PLATFORM AND METHOD
and which is found in		
	(check and complete (a), (b), (c), (d), (e), (f), or (g))
(a) U.S. pate	ent application executed on even de	ate herewith
(b) U.S. pate	ent application executed on	· · · · ·

Assignment of Invention - Page 2 of 4

(c)		U.S. provisional application naming the above inventor(s) for the above-identified invention	
	•	Express Mail Label No.:, mailed:	
		To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known	
(d)		U.S. Application Serial No filed on	
(e)	\boxtimes	International application No. PCT/JP2014/056914 filed on March 14, 2014.	
(f) U.S. Patent No issued			
	;	A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.	
(g)	\boxtimes	and any legal equivalent thereof in a foreign country, including the right to claim priority	
and i	n and to	all Letters Patent to be obtained for said invention by the above application or any	
contin	nuation, on the number of the	division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-	
or wil	ASSIC l be mad	NOR hereby covenants that no assignment, sale, agreement or encumbrance has been the or entered into which would conflict with this assignment.	
equivalenter for, of	all pertinalents as erence, ligner of the control o	eNOR further covenants that ASSIGNEE will, upon its request, be provided promptly ent facts and documents relating to said invention and said Letters Patent and legal may be known and accessible to ASSIGNOR and will testify as to the same in any tigation or proceeding related thereto and will promptly execute and deliver to rits legal representatives any and all papers, instruments or affidavits required to apply untain, issue and enforce said application, said invention and said Letters Patent and to thereof which may be necessary or desirable to carry out the purposes thereof.	
forth l	IN WI' below.	TNESS WHEREOF, I/We have hereunto set hand and seal on the day and year set	
· .		NG: Date of signing must be the same as the date of execution of the application if item (a) was checked above. 2: X Soptember 16, 20 X Take My ASHITA Takahiro MEVASHITA	
	Date	x September 16, 2015 x Koji Kamei Date of Signing Koji KAMEI	

Assignment of Invention - Page 3 of 4

Date:	X SLOTEM DEZ 11. 2015 Date of signing	X K Shinoza wo Kazuhiko SHINOZAWA
Date:	X	X
	Date of signing	Norihiro HAGITA
Date:	<u>X</u>	X
	Date of signing	Tadahisa KONDO
•		

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.

Assignment of Invention - Page 4 of 4

PATENT REEL: 036737 FRAME: 0321

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