PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6665028

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYUICHI JIMBO	03/10/2021
TAKAO UEMURA	03/12/2021
MASAKAZU MATSUGAMI	03/11/2021
TAKAYA KITANO	03/18/2021
FUMIAKI SATO	03/10/2021

RECEIVING PARTY DATA

Name:	OMRON CORPORATION
Street Address:	801, MINAMIFUDODO-CHO, HORIKAWAHIGASHIIRU
Internal Address:	SHIOKOJI-DORI, SHIMOGYO-KU
City:	KYOTO-SHI, KYOTO
State/Country:	JAPAN
Postal Code:	600-8530

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17286852

CORRESPONDENCE DATA

Fax Number: (703)726-6024

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 7037266020 mail@rkmllp.com Email:

Correspondent Name: ROSSI KIMMS & MCDOWELL LLP

Address Line 1: 20609 GORDON PARK SQUARE, SUITE 150

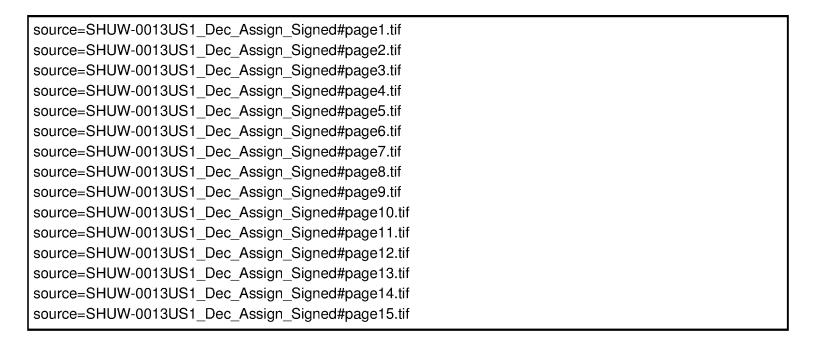
Address Line 4: ASHBURN, VIRGINIA 20147

ATTORNEY DOCKET NUMBER:	SHUW-0013US1
NAME OF SUBMITTER:	TAMMY KASSICK
SIGNATURE:	/Tammy Kassick/
DATE SIGNED:	04/20/2021

Total Attachments: 15

PATENT REEL: 055969 FRAME: 0815

506618221



UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Title of Invention

⇒ CONTROL SYSTEM

		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
Application not Attached	¢	This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
Enter Appln, No.	⇔	United States Application Number or PCT International Appln. No. PCT/JP2019/043728
Enter Filing Date	⇔	filed on November 7, 2019
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
Insert Name of Assignee	⇔	WHEREAS, OMRON Corporation
Insert Address of Assignee	¢	of 801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku, Kyoto-shi, Kyoto, 600–8530, JAPAN
		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	⇔	in any foreign countries.
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Attorney Docket No. SHUW-0013US1

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Rossi, Kimms & McDowell LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

	F-0 41		OF 11		ITOD
-	F(GAL	NAME	() H	ソントい	VIOR.

Inventor's Name □ Inventor:	JIMBO, Ryuichi		Date: _	March 10, 2021
Inventor's Signature ⇒ Signature:	R. J. March 10, 2021	JIMBO,	Ryulchi	

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	⇒ Inventor:	UEMURA, Takao	Date:
Inventor's Signature	⇒ Signature:		
		AME OF JOINT INVENTOR, IF ANY	
	LLGALINA	AME OF SOME MEETINGE, IF AME	
Inventor's Name	⇒ Inventor:	MATSUGAMI, Masakazu	Date:
Inventor's Signature			
	LECAL NA	AME OF JOINT INVENTOR IF ANY	
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	KITANO, Takaya	Date:
Inventor's Signature	⇔Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	SATO, Fumiaki	Date:
Inventor's Signature	⇒Signature:		

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Title of Invention

⇔ CONTROL SYSTEM

		As a below named inv	ventor (hereinafter designated as the undersig	ned), I hereby declare that:
Application not Attached	ಘ		ected to the application attached hereto. If the ified by the attorney docket number as set for	
Enter Appln. No.	₽	United States Applica	tion Number or PCT International Appln. No.	PCT/JP2019/043728
Enter Filing Date	₽	filed on November 7	7, 2019	
		The above-identified a	application was made or authorized to be mad	de by me.
		I believe that I am the	original inventor or an original joint inventor o	f a claimed invention in the application.
		l have reviewed and ι	understand the contents of the above-identifie	d application, including the claims.
		l acknowledge the dut of Federal Regulation	ty to disclose information which is material to $\mathfrak p$ s \S 1.56.	patentability as defined in Title 37, Code
		WHEREAS, the und application identified.	lersigned has invented certain new and u	seful improvements described in the
Insert Name of Assignee	ť	WHEREAS, OMRON	l Corporation	
Insert Address of Assignee	4	of 801, Minamifudod Kyoto, 600–8530, JA	o-cho, Horikawahigashiiru, Shiokoji-dori, S PAN	Shimogyo-ku, Kyoto-shi,
		desirous of acquiring	, legal representatives and assigns (herein the entire right, title and interest in and to sa granted therefor in the United States of Amer	aid invention and in and to any Letters
Check Box if Appropriate	⇔	in any foreign cou	untries.	
		the undersigned has transfer unto said Ass its territories, depend Letters Patent(s) wh dependencies and po	for good and valuable consideration, the reconsold, assigned and transferred, and by the signee the full and exclusive right to the said intended and possessions and the entire right, nich may be granted therefor in the Unite ssessions, and if the box above is designated reissues, continuations, conversions and extended ay be granted.	se presents does (do) sell, assign and vention in the United States of America, title and interest in and to any and alled States of America, its territories, in any and all foreign countries; and to

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Rossi, Kimms & McDowell LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

Inventor's Name ⇔	Inventor:	JIMBO, Ryuichi	Date:
Inventor's Signature ⇒	Signature:		

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

Inventor's Signature ⇒Signature:

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Inventor's Name → Inventor: UEMURA, Takao Date: March 12, 2021

Inventor's Signature: UEMURA, Takao Date: March 12, 2021

Inventor's Signature: UEMURA, Takao Date: UEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name → Inventor: MATSUGAMI, Masakazu Date:

Inventor's Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name → Inventor: KITANO, Takaya Date:

Inventor's Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Signature: Date: LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name → Signature: Signature: Date: Date:

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Title of Invention

⇒ CONTROL SYSTEM

		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
Application not Attached	Þ	This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
Enter Appln, No.	⇔	United States Application Number or PCT International Appln. No. PCT/JP2019/043728
Enter Filing Date	₽	filed on November 7, 2019
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
Insert Name of Assignee	₽	WHEREAS, OMRON Corporation
Insert Address of Assignee		of 801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku, Kyoto-shi, Kyoto, 600–8530, JAPAN
		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) i desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letter Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	⇔	in any foreign countries.
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America its territories, dependencies and possessions and the entire right, title and interest in and to any and a Letters Patent(s) which may be granted therefor in the United States of America, its territories dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or term for which the same may be granted.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Rossi, Kimms & McDowell LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL	NIANIE	\cap E	INI\/⊏	NITOD
LEGAL	NAIVIE	U٢	IIVVE	NIOR

Inventor's Name ==	⇒ In		JIMBO, Ryuichí	Date: _	
Inventor's Signature =	⇒ S	ignature:			

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	⇒	nventor:	UEMURA, Takao	Date:
Inventor's Signature	⇒ 5	Signature:		
	L	_EGAL NA	ME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒	nventor:	MATSUGAMI, Masakazu	Date: Mar, 11, 202
Inventor's Signature	⇒ 5	Signature:	Hasakazu Hatsugami	
	l	LEGAL NA	ME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔	nventor:	KITANO, Takaya	Date:
Inventor's Signature	⇒(Signature:		
	L	EGAL NA	ME OF JOINT INVENTOR, IF ANY	
Inventor's Name	Þ١	nventor:	SATO, Fumiaki	Date:
Inventor's Signature	⇒(Signature:		

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Title of Invention \Rightarrow CONTROL SYSTEM

	As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
Application not Attached	⇒ This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
Enter Appln. No.	⇒ United States Application Number or PCT International Appln. No. PCT/JP2019/043728
Enter Filing Date	⇒ filed on November 7, 2019
	The above-identified application was made or authorized to be made by me.
	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application
	I have reviewed and understand the contents of the above-identified application, including the claims.
	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.
	WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
Insert Name of Assignee	⇔ WHEREAS, OMRON Corporation
Insert Address of Assignee	⇔ of 801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku, Kyoto-shi, Kyoto, 600−8530, JAPAN
	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) i desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letter Patent(s) that may be granted therefor in the United States of America and
Check Box if Appropriate	⇒
	NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America its territories, dependencies and possessions and the entire right, title and interest in and to any and a Letters Patent(s) which may be granted therefor in the United States of America, its territories dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or term for which the same may be granted.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Rossi, Kimms & McDowell LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

Inventor's Name	⇔	Inventor:	JIMBO, Ryuichi	 Date:
Inventor's Signature	: Þ	Signature:		

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	⇒ Inve	entor: <u>l</u>	UEMURA, Takao	Date: _	
Inventor's Signature	⇒ Sig	nature:			
	LE	GAL NAI	ME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒ Inve	entor: <u>[</u>	MATSUGAMI, Masakazu	Date: _	
Inventor's Signature	⇒ Sigı	nature:			
	LE	GAL NAI	ME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔lnve	entor: <u>I</u>	KITANO, Takaya	Date: _	Harch 18, 2021
Inventor's Signature	⇒Sig	nature:	北野費也		
	LE	GAL NAI	ME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇔lnve	entor:	SATO, Fumiaki	Date: _	
Inventor's Signature	⇒Sigi	nature:			

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:				
Application not Attached	⇔	This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:				
Enter Appln. No.	⇔	United States Application Number or PCT International Appln. No. PCT/JP2019/043728				
Enter Filing Date	⇔	filed on November 7, 2019				
		The above-identified application was made or authorized to be made by me.				
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application				
	,	I have reviewed and understand the contents of the above-identified application, including the claims.				
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.				
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.				
Insert Name of Assignee	⇔	WHEREAS, OMRON Corporation				
Insert Address of Assignee	₽	of 801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori, Shimogyo-ku, Kyoto-shi, Kyoto, 600–8530, JAPAN				
		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and				
Check Box if Appropriate	⇔	in any foreign countries.				
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.				

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Rossi, Kimms & McDowell LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

LEGAL NAME OF INVENTOR

Inventor's Name ⇒	Inventor:	JIMBO, Ryuichi	Date:
Inventor's Signature ⇒	Signature:		

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	⇒ Inventor:	UEMURA, Takao	Date:	
Inventor's Signature	⇒ Signature:			
		AME OF JOINT INVENTOR, IF ANY		
	LLOALIV	NIVE OF SOURT HAVELATOR, IT AND		
Inventor's Name	⇒ Inventor:	MATSUGAMI, Masakazu	Date:	
Inventor's Signature	⇒ Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	MI	KITANO Telegra	Data	
inventor's Name	⇔Inventor:	KITANO, Takaya	Date:	
Inventor's Signature	⇒Signature:			
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	⇒Inventor:	SATO, Fumiaki	Date: _	Mar. 10, 2021
Inventor's Signature	⇒Signature:	Fumiaki Sato		

Page 3