

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7321337

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUSUKE KINOSHITA	10/06/2021
TAKASHI ICHIRYU	10/05/2021
RYUSUKE KANOMATA	10/05/2021
HIDETOSHI ISHIDA	10/05/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.
<b>Street Address:</b>	1-61, SHIROMI 2-CHOME, CHUO-KU, OSAKA-SHI
<b>City:</b>	OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	540-6207
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17614716
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	epas.pkp@ml.jp.panasonic.com
<b>Correspondent Name:</b>	PASONA KNOWLEDGE PARTNER INC.
<b>Address Line 1:</b>	8F OBP PANASONIC TOWER
<b>Address Line 2:</b>	1-61, SHIROMI 2-CHOME, CHUO-KU
<b>Address Line 4:</b>	OSAKA, JAPAN 540-6208
<b>ATTORNEY DOCKET NUMBER:</b>	P1027401US01
<b>NAME OF SUBMITTER:</b>	TETSUO HIRABAYASHI
<b>SIGNATURE:</b>	/Tetsuo HIRABAYASHI/
<b>DATE SIGNED:</b>	05/10/2022
<b>Total Attachments: 4</b>	
source=Assignment 17614716(P1027401US01 McDermott)#page1.tif	
source=Assignment 17614716(P1027401US01 McDermott)#page2.tif	
source=Assignment 17614716(P1027401US01 McDermott)#page3.tif	



Panasonic Ref\*: P1027401US01

Application Serial No. \_\_\_\_\_

1st Partner Name: Hokuto Patent Attorneys Office

1st Partner Ref: F16276

US Firm Name: McDermott Will & Emery LLP  
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its/their heirs, successors, legal representatives and assigns (hereinafter designated as "Assignee(s)") is/are 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.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does sell, assign and transfer unto said Assignee(s) the entire and exclusive right, title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s) disclosing said invention, including provisionals, non-provisionals, conversions, divisions, continuations, continuations-in-part and reissues thereof in the United States and all countries foreign to the United States (hereinafter designated as "Related Applications"), along with all rights of priority created by this patent application under any treaty relating thereto; and (iii) any and all Letters Patent(s), including all renewals, extensions, reissues and reexamination certificates which may be granted therefore, and all rights to sue for past and future infringement thereunder, in the United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with any interference which may be declared concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such interference, and for any and all litigations regarding, or for the purpose of protecting the right, title and interest in and to said invention, this application and any and all Related Applications or Letters Patent(s) therefore, and to testify in any legal proceeding relating thereto and in support thereof, for the benefit of Assignee(s), and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

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	(e) First Name, Last Name	(f) Signature	(g) Date signed <small>Month, Date, Year</small>
(1)	Yusuke KINOSHITA	/Yusuke Kinoshita/	Oct. 6, 2021
(2)	Takashi ICHIRYU		<small>Month, Date, Year</small>
(3)	Ryusuke KANOMATA		<small>Month, Date, Year</small>
(4)	Hidetoshi ISHIDA		<small>Month, Date, Year</small>

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**PATENT**