505927706 02/20/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5974424

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHONG SOON LIM	09/19/2019
HAI WEI SUN	09/19/2019
SUGHOSH PAVAN SHASHIDHAR	09/20/2019
RU LING LIAO	09/23/2019
HAN BOON TEO	09/19/2019
TAKAHIRO NISHI	09/26/2019
RYUICHI KANOH	09/19/2019
TADAMASA TOMA	09/19/2019

RECEIVING PARTY DATA

Name:	PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA
Street Address:	20000 MARINER AVENUE
Internal Address:	SUITE 200
City:	TORRANCE
State/Country:	CALIFORNIA
Postal Code:	90503

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16587961

CORRESPONDENCE DATA

Fax Number:

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.

Email: epas.pkp@ml.jp.panasonic.com

Correspondent Name: PASONA KNOWLEDGE PARTNER INC.

Address Line 1: 8F OBP PANASONIC TOWER

Address Line 2: 1-61, SHIROMI 2-CHOME, CHUO-KU

Address Line 4: OSAKA, JAPAN 540-6208

ATTORNEY DOCKET NUMBER: P1008211US02

NAME OF SUBMITTER: ASAMI KATO

PATENT 505927706 REEL: 051882 FRAME: 0640

SIGNATURE:	/Asami KATO/	
DATE SIGNED:	02/20/2020	
Total Attachments: 6	•	
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source=Assignment 16587961(P1008211US02 Seed)#page2.tif		
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PATENT REEL: 051882 FRAME: 0641

Panasonic Ref*:	P1008211US02	Application Serial No.	<u> 16/</u>	587961	
Japan Firm Name:	Nii Patent Firm	Japan Firm Ref:	FP18016		
US Firm Name*:	Seed	US Firm Ref:			
(* must be filled)					_

ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled:		
Box 1		
Title of Invention:		
IMAGE DECODER AND DECODING METHOD		
1. For use when signing Declaration prior to filing U	J.S. patent application (check on	ly one box below)
(a)∎ for which an application for U.S. patent has been executed l	by the undersigned concu	rrently herewith, or
(b) for which an application for U.S. patent has been executed (if Declaration & Assignment are signed on the same day, check (a) and make no entry in the blank, if the		gnment, enter the date(s) on which you signed the Declaration)
(c) for which an International Application has been filed as: (for the PCT-US national entry, check only (c) and enter PCT application number in the right)	PCT Application No.	and,
2. For use when signing Declaration	n after filing U.S. patent application	on
(d)□ for which an application for U.S. patent has been filed on:	Application Filing Date	and,

WHEREAS, Panasonic Intellectual Property Corporation of America of 20000 Mariner Avenue, Suite 200, Torrance, CA 90503, U.S.A.

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

with such applications as the Assignee(s) may deem necessary or expedient.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents, and officials of all foreign countries, whose duty is to issue patents, to issue any and all Letters Patent(s) resulting from said application or any and all Related Applications thereof to said Assignee(s) and hereby covenants that the undersigned has (have) full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any assignment, sale, agreement or encumbrances in conflict herewith.

The undersigned hereby does sell, assign and transfer unto said Assignee(s) the full and exclusive authority for revoking power of attorney(s) executed by the undersigned in connection with this application and for appointing a new power of attorney in place thereof. The undersigned hereby grant(s) the Assignee(s) and the appointed U.S. patent attorneys and agents 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 U.S. Patent Office for recordation of this document.

The undersigned hereby agree(s) that the above obligations shall apply to the undersigned both individually and collectively.

The undersigned hereby agree(s) that this Assignment shall be construed in accordance with the law of the appropriate jurisdiction within the United States.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) following the undersigned name(s) and signature(s).

	(e) First Name,	Last Name	(f) Signature	(g) Date signed
(1)	Chong Soon	LIM	Col	Month, Date, Year 09,19,201
(2)	Hai Wei	SUN	2 % 25	Month, Date, Year
(3)	Sughosh Pavan	SHASHIDHAR	Sylvalin	Month, Date, Year US, Ju, 201
(4)	Ru Ling	LIAO	Pality	Month, Date, Year 09, 23, 201

Check if additional paper(s) is/are attached. Total of 2 pages are submitted.

ASSIGNMENT (Cont.)

16/587961

Additional Inventors:

	onal Inventors: (Continued)			
	(e) First Name,	Last Name	(f) Signature	(g) Date signed
(5)	Han Boon	TEO	Az.	Month, Date, Year 09,19,2019
(6)	Takahiro	NISHI		Month, Date, Year
(7)	Ryuichi	KANOH		Month, Date, Year
(8)	Tadamasa	ТОМА		Month, Date, Year
(9)				Month, Date, Year
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(21)				Month, Date, Year
				Month, Date, Year
(22)				Month, Date, Year

Panasonic Ref*:	P1008211US02	Application Serial N	No. 16/587961
Japan Firm Name:	Nii Patent Firm	Japan Firm Ref: _	FP18016
US Firm Name*: _	Seed	US Firm Ref:	
(" musi ve jilleu)			

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	L th d : d	
(a)∎ for which an application for U.S. patent has been executed	by the undersigned concu	rrently nerewith, or
(b)□ for which an application for U.S. patent has been executed	on the following date(s):	, or
(if Declaration & Assignment are signed on the same day, check (a) and make no entry in the blank; if the		
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Box2	(Each Inventor, ple	ase Sign and Date b	pelow)	
	(e) First Name,	Last Name	(f) Signature	(g) Date signed
(1)	Chong Soon	LIM		Month, Date, Year
(2)	Hai Wei	SUN		Month, Date, Year
(3)	Sughosh Pavan	SHASHIDHAR		Month, Date, Year
(4)	Ru Ling	LIAO		Month, Date, Year

Check if additional paper(s) is/are attached. Total of _____ pages are submitted.

ASSIGNMENT (Cont.)

16/587961

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	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Han Boon TEO		Month, Date, Year
(6)	Takahiro NISHI	Jakahiro Kishi	5 ep. 26, 2019
(7)	Ryuichi KANOH		Month, Date, Year
(8)	Tadamasa TOMA	Fadamesa Jone	Month, Date, Year Sep. 19, 2019
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Panasonic Ref*:	P1008211US02	Application Serial No. 16/587961
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and

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(7)	Ryuichi	KANOH	Rruich: Kanoh	Sep. 19, 2019 Month, Date, Year
(8)	Tadamasa	TOMA		Monal, Date, real
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PATENT REEL: 051882 FRAME: 0647