503040499 10/29/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3087097

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
YOJI URANO		03/14/2014
AKIFUMI NAKAMURA		03/25/2014
ΗΑΥΑΤΟ ΙΟΚΑ		03/14/2014
TORU HIRANO		03/14/2014
MASANORI SUZUKI		03/25/2014
HIDEAKI HYUGA		03/25/2014
RYOJI IMAI		03/25/2014
,		

JUN GODA

RECEIVING PARTY DATA

Name: PANASONIC CORPORATION	
Street Address: 1006, OAZA KADOMA, KADOMA-SHI	
City: OSAKA	
State/Country:	JAPAN
Postal Code:	571-8501

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14388963

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:	kunou.yoshie@kk.jp.panasonic.com
Correspondent Name:	PANASONIC IP MANAGEMENT CO., LTD.
Address Line 1:	7F OBP PANASONIC TOWER
Address Line 2:	1-61, SHIROMI 2-CHOME, CHUO-KU
Address Line 4:	OSAKA, JAPAN 540-6207

ATTORNEY DOCKET NUMBER:	P649940-01
NAME OF SUBMITTER:	CHIKA EDA
SIGNATURE:	/Chika EDA/
DATE SIGNED:	10/29/2014 DATENT
	FAILNI

REEL: 034065 FRAME: 0766

03/25/2014

Total Attachments: 8
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source=Assignment 14388963(P649940-01 G&B)#page8.tif

Panasonic Ref*: P649940-01

1st Partner Name: <u>Hokuto Patent Attorneys Office</u>

US Firm Name: <u>GREENBLUM & BERNSTEIN, P.L.C.</u> (* must be filled)

1st Partner Ref: F10179

US Firm Ref:

Application Serial No. 14/388963

ASSIGNMENT

WHEREAS, the undersigned has (have) invented the invention entitled: Day 1

Title of Invention:			
LIGHT-EMITTING APPARATUS			
1. For use when signing Declaration prior to filing	U.S. patent application (check only	one box below)	
(a) for which an application for U.S. patent has been executed	by the undersigned concu	rrently herewith, or	
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(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.	PCT/JP2013/005132	and,
2. For use when signing Declaratio	n after filing U.S. patent application	n	
(d)□ for which an application for U.S. patent has been filed on:	Application Filing Date		and,

WHEREAS, Panasonic Corporation of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, JAPAN, and

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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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.

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

Box2	(Each Inventor, please Sign and Date be	IOW)	
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Yoji URANO	yoji Urano	Month, Date, Year March, 14, 2014
(2)	Akifumi NAKAMURA		Month, Date, Year
(3)	Hayato IOKA		Month, Date, Year
(4)	Toru HIRANO		Month, Date, Year

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

ASSIGNMENT (Cont.)

Additional Inventors:

14/388963

Box2 (Continued)			
ſ	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Masanori SUZUKI		Month, Date, Year
(6)	Hideaki HYUGA		Month, Dete, Year
(7)	Ryoji IMAI		Month, Date, Year
(8)	Jun GODA		Month, Date, Year

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Panasonic Ref*: P649940-01

(* must be filled)

1st Partner Name: _____Hokuto Patent Attorneys Office

US Firm Name: _____GREENBLUM & BERNSTEIN, P.L.C.

1st Partner Ref: _____ F10179

US Firm Ref:

Application Serial No. 14/388963

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BOX I			
Title of Invention:			
LIGHT-EMITTING APPARATUS			
1. For use when signing Declaration prior to filing	U.S. patent application (check only c	ne box below)	
(a) for which an application for U.S. patent has been executed	by the undersigned concurr	ently 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 if	on the following date(s):	ent, enter the date(s) on which you signed the Dec	, Or
(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.	PCT/JP2013/005132	and,
2. For use when signing Declaratio	n after filing U.S. patent application	·	
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			-

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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, ils 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, relissues 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.

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Box2	(Each Inventor, please Sign and Date b	elow)	
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Yoji URANO		Month, Date, Year
(2)	Akifumi NAKAMURA	Akifumi Nakamura	Month, Date, Year March 25, 20/4
(3)	Hayato IOKA		· Month, Date, Year
(4)	Toru HIRANO		Month, Date, Year

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

ASSIGNMENT (Cont.)

Additional Inventors:

14/388963

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Box2 (Continued)			
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Masanori SUZUKI		Month, Date, Year
(6)	Hideaki HYUGA		Month, Dalə, Yəar
(7)	Ryoji IMAI		Month, Date, Year
(8)	Jun GODA		Monih, Date, Year

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

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anasonic	Ref*:	P64

P

9940-01

1st Partner Name: <u>Hokuto Patent Attorneys Office</u>

1st Partner Ref:

US Firm Name: _____GREENBLUM & BERNSTEIN, P.L.C.__ (* must be filled)

US Firm Ref:

Application Serial No. 14/388963

ASSIGNMENT

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Box 1			
Title of Invention:			
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(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.	PCT/JP2013/005132	and,
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	(e) First Name, Last Name	(f) Signature	(g) Date signed
(1)	Yoji URANO		Month, Date, Year
(2)	Akifumi NAKAMURA		Month, Date, Year
(3)	Hayato IOKA	Hayato Joka	Month, Date, Year March, 14, 2014
(4)	Toru HIRANO	•	Month, Date; Year

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

PATENT REEL: 034065 FRAME: 0772

ASSIGNMENT (Cont.)

Additional Inventors:

14/388963

	Continued)	···	
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Masanori SUZUKI		Month, Date, Year
(6)	Hideaki HYUGA		Month, Dale, Year
(7)	Ryoji IMA I		Monith, Date, Year
(8)	Jun GODA		Month, Date, Year

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PATENT REEL: 034065 FRAME: 0773

Panasonic Ref*: P649940-01

1st Partner Name: <u>Hokuto Patent Attorneys Office</u>

GREENBLUM & BERNSTEIN, P.L.C. US Firm Name: ____

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Box 1			
Title of Invention:			
LIGHT-EMITTING APPARATUS			
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(3)	Hayato IOKA		Month, Date, Year
(4)	Toru HIRANO	Toru Hirano	Month, Date, Year Mar, 14. 2014

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

ASSIGNMENT (Cont.)

Box2 ((Continued)		14/388963
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Masanori SUZUKI	masanori Suzuki	Month, Date, Year March . 25.2014
(6)	Hideaki HYUGA	Hideaki Hynga	Month, Date, Year March. 25 2014t
(7)	Ryoji IMAI	Ryoji Smai	Month, Date, Year Marid 25, 2014
(8)	Jun GODA	Jun Goda	Month, Date, Yeer March, 25. 20(4

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

RECORDED: 10/29/2014

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PATENT REEL: 034065 FRAME: 0775