

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4566187

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the TYPOGRAPHICAL ERROR IN THE NAME OF THE ASSIGNEE previously recorded on Reel 040419 Frame 0096. Assignor(s) hereby confirms the ASSIGNMENT OF APPLICATION.
CONVEYING PARTY DATA	
Name	Execution Date
ATSUSHI NEO	09/05/2016
JYUNYA IIZUKA	09/05/2016
RECEIVING PARTY DATA	
Name:	HITACHI CONSUMER ELECTRONICS CO., LTD.
Street Address:	292 YOSHIDA-CHO, TOTSUKA-KU
City:	YOKOHAMA-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	244-0817
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15305002
CORRESPONDENCE DATA	
Fax Number:	(202)628-8844
<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>	
Phone:	2026242500
Email:	eoconnell@crowell.com
Correspondent Name:	CROWELL & MORING LLP
Address Line 1:	1001 PENNSYLVANIA AVENUE, NW
Address Line 4:	WASHINGTON, D.C. 20002
ATTORNEY DOCKET NUMBER:	114009.69582US
NAME OF SUBMITTER:	MICHAEL H. JACOBS
SIGNATURE:	/Michael H. Jacobs/
DATE SIGNED:	08/25/2017
Total Attachments: 4	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4103479

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ATSUSHI NEO	09/05/2016
	JYUNYA IIZUKA	09/05/2016
RECEIVING PARTY DATA		
Name:	HITACHI CONSUMER ELECTRONICS CO., LTD. Hitachi Consumer Electronics Co., Ltd.	
Street Address:	292, YOSHIDA-CHO, TOTSUKA-KU	
City:	YOKOHAMA-SHI, KANAGAWA	
State/Country:	JAPAN	
Postal Code:	244-0817	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15305002	
CORRESPONDENCE DATA		
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Phone:	202-624-2500	
Email:	eoconnell@crowell.com	
Correspondent Name:	CROWELL & MORING LLP	
Address Line 1:	P.O. BOX 14300	
Address Line 4:	WASHINGTON, D.C. 20044-4300	
ATTORNEY DOCKET NUMBER:	114009.69582US	
NAME OF SUBMITTER:	MICHAEL H. JACOBS	
SIGNATURE:	/Michael H. Jacobs/	
DATE SIGNED:	10/19/2016	
Total Attachments: 2		
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source=69582US_Assignment#page2.tif		

ASSIGNMENT OF APPLICATION

Whereas, I (We),

- 1) Atsushi NEO, a national of Japan,
- 2) Jyunya IIZUKA, a national of Japan,
c/o Hitachi, Ltd.,
8-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1008280, Japan,

hereinafter referred to as inventor(s), respectively, have invented certain new and useful improvements in:

"LIGHT INFORMATION DEVICE AND LIGHT INFORMATION PROCESSING METHOD"
(the "Application"); and

Whereas, Hitachi Consumer Electronics Co., Ltd., a corporation organized under the laws of Japan whose mailing address 292
Yoshida-cho, Totsuka-ku, Yokohama-shi, Kanagawa 244-0817, Japan

and its successors, transferees, and assignees (collectively the "Assignee") is (are) desirous of acquiring interests in the entire right, title and interest throughout the world in the subject matter (the "Subject Matter") of the Application;

Now, therefore, in consideration of the sum of One dollar (\$1.00), the receipt whereof is acknowledged, and for other good and valuable consideration, I (we), by these presents do sell, assign and transfer unto said assignee(s), (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

And I (we) hereby agree that I (we) will communicate to the Assignee or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said assignee, make all rightful oaths and declarations, and generally do everything possible to aid said assignee, their successors and assigns, to obtain and enforce proper protection for said invention in every country or region throughout the world.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

Date Signed

1)

Atsushi Neo

Atsushi NEO

9 / 5 / 2016

2)

Jyunya IIZUKA

ASSIGNMENT OF APPLICATION

Whereas, I (we),

- 1) Atsushi NEO, a national of Japan,
- 2) Jyunya HIZUKA, a national of Japan,
c/o Hitachi Ltd.,
6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1008280, Japan,

hereinafter referred to as inventor(s), respectively, have invented certain new and useful improvements in:
"LIGHT INFORMATION DEVICE AND LIGHT INFORMATION PROCESSING METHOD"
(the "Application"); and

Whereas, Hitachi Consumer Electronics Co., Ltd., a corporation organized under the laws of Japan whose mailing address 292
Yoshida-cho, Toruoka-ku, Yokohama-shi, Kanagawa 244-0817, Japan
and its successors, transferees, and assignees (collectively the "Assignee") is (are) desirous of acquiring interests in the entire right, title and
interest throughout the world in the subject matter (the "Subject Matter") of the Application;

Now, therefore, in consideration of the sum of One dollar (\$1.00), the receipt whereof is acknowledged, and for other good and valuable
consideration, I (we), by these presents do sell, assign and transfer unto said assignee(s), (a) the Application and all other applications that
may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the
Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the
benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial
Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right
to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future
infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and
any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

And I (we) hereby agree that I (we) will communicate to the Assignee or their representatives any facts known to me (us) respecting said
invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute,
renewal and renewal applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said
assignees, make all rightful oaths and declarations, and generally do everything possible to aid said assignees, their successors and assigns, to
obtain and enforce proper protection for said invention in every country or region throughout the world.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

Date Signed

1)

Atsushi NEO

2)

Jyunya Hizuka
Jyunya HIZUKA

September 5, 2016