

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MAKOTO OKANO	08/18/2014
MASAHIKO MORI	08/07/2014
MASASHIGE ISHIZAKA	08/15/2014
TAKANORI SHIMIZU	08/21/2014
NOBUAKI HATORI	08/22/2014
RECEIVING PARTY DATA	
Name:	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
Street Address:	3-1, KASUMIGASEKI 1-CHOME
Internal Address:	CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8921
Name:	NEC CORPORATION
Street Address:	7-1, SHIBA 5-CHOME
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-8001
Name:	FUJITSU LIMITED
Street Address:	1-1, KAMIKODANAKA 4 -CHOME
Internal Address:	NAKAHARA-KU, KAWASAKI-SHI
City:	KANAGAWA
State/Country:	JAPAN
Postal Code:	211-8588
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14382742
CORRESPONDENCE DATA	
PATENT	

Fax Number: (520)882-7643

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: 520-882-7623

Email: cgee@hayes-soloway.com

Correspondent Name: NORMAN P. SOLOWAY

Address Line 1: 4640 E. SKYLINE DRIVE

Address Line 4: TUCSON, ARIZONA 85718

ATTORNEY DOCKET NUMBER:	SHIG CP04FE13SA
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NAME OF SUBMITTER:	NORMAN P. SOLOWAY
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SIGNATURE:	/norman p. soloway/
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DATE SIGNED:	10/10/2014
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Total Attachments: 5

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ASSIGNMENT

I, Makoto OKANO of c/o National Institute of Advanced Industrial Science and Technology, Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 JAPAN, having invented certain inventions and improvements in LIGHT SOURCE CIRCUIT AND LIGHT SOURCE DEVICE EQUIPPED WITH SAME and having executed an application for Letters Patent of the United States of America describing the same and based thereon on the 18th day of August, 2014 (U.S. Patent Application Serial No. 14/382,742, filed September 3, 2014), for good and valuable consideration, the receipt of which is hereby acknowledged from National Institute of Advanced Industrial Science and Technology, a Japanese corporation having its principal place of business at 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 JAPAN, NEC Corporation, a Japanese corporation having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 JAPAN and FUJITSU LIMITED, a Japanese corporation having its principal place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 JAPAN (hereinafter called the Assignees), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

And for the same consideration I do agree that I will upon request execute any instrument which the Assignees may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignees;

And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignees, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Makoto Okano Date Aug. 18, 2014
Full name (typed or printed) Makoto OKANO

Witness: Reiko Takeoka
Date: Aug. 25, 2014

Witness: Senika Kubo
Date: Aug. 26, 2014

ASSIGNMENT

I, Masahiko MORI of c/o National Institute of Advanced Industrial Science and Technology, Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 JAPAN, having invented certain inventions and improvements in LIGHT SOURCE CIRCUIT AND LIGHT SOURCE DEVICE EQUIPPED WITH SAME and having executed an application for Letters Patent of the United States of America describing the same and based thereon on the 7th day of August, 20 14 (U.S. Patent Application Serial No. 14/382,742, filed September 3, 2014), for good and valuable consideration, the receipt of which is hereby acknowledged from National Institute of Advanced Industrial Science and Technology, a Japanese corporation having its principal place of business at 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 JAPAN, NEC Corporation, a Japanese corporation having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 JAPAN and FUJITSU LIMITED, a Japanese corporation having its principal place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 JAPAN (hereinafter called the Assignees), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;


And for the same consideration I do agree that I will upon request execute any instrument which the Assignees may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

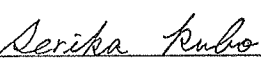
And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignees;

And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignees, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature  Date Aug 7, 2014
Full name (typed or printed) Masahiko MORI

Witness: 
Date: Aug. 25, 2014

Witness: 
Date: Aug. 26, 2014

ASSIGNMENT

I, Masashige ISHIZAKA of c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 JAPAN, having invented certain inventions and improvements in LIGHT SOURCE CIRCUIT AND LIGHT SOURCE DEVICE EQUIPPED WITH SAME and having executed an application for Letters Patent of the United States of America describing the same and based thereon on the 15th day of August, 2014 (U.S. Patent Application Serial No. 14/382,742, filed September 3, 2014), for good and valuable consideration, the receipt of which is hereby acknowledged from National Institute of Advanced Industrial Science and Technology, a Japanese corporation having its principal place of business at 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 JAPAN, NEC Corporation, a Japanese corporation having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 JAPAN and FUJITSU LIMITED, a Japanese corporation having its principal place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 JAPAN (hereinafter called the Assignees), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

And for the same consideration I do agree that I will upon request execute any instrument which the Assignees may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignees;

And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignees, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Masashige Ishizaka Date August 15, 2014
Full name (typed or printed) Masashige ISHIZAKA

Witness: Masashi Kuroki
Date: August 15, 2014

Witness: Mitsuru Kanabata
Date: August 15, 2014

ASSIGNMENT

I, Takanori SHIMIZU of c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 JAPAN, having invented certain inventions and improvements in LIGHT SOURCE CIRCUIT AND LIGHT SOURCE DEVICE EQUIPPED WITH SAME and having executed an application for Letters Patent of the United States of America describing the same and based thereon on the 21st day of August, 2014 (U.S. Patent Application Serial No. 14/382,742, filed September 3, 2014), for good and valuable consideration, the receipt of which is hereby acknowledged from National Institute of Advanced Industrial Science and Technology, a Japanese corporation having its principal place of business at 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 JAPAN, NEC Corporation, a Japanese corporation having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 JAPAN and FUJITSU LIMITED, a Japanese corporation having its principal place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 JAPAN (hereinafter called the Assignees), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

And for the same consideration I do agree that I will upon request execute any instrument which the Assignees may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignees;

And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignees, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Takanori Shimizu Date August 21, 2014
Full name (typed or printed) Takanori SHIMIZU

Witness: Masato Kimura
Date: August 21, 2014

Witness: Yoshi Kawabata
Date: August 21, 2014

ASSIGNMENT

I, Nobuaki HATORI of c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 JAPAN, having invented certain inventions and improvements in LIGHT SOURCE CIRCUIT AND LIGHT SOURCE DEVICE EQUIPPED WITH SAME and having executed an application for Letters Patent of the United States of America describing the same and based thereon on the 22nd day of August, 2014 (U.S. Patent Application Serial No. 14/382,742, filed September 3, 2014), for good and valuable consideration, the receipt of which is hereby acknowledged from National Institute of Advanced Industrial Science and Technology, a Japanese corporation having its principal place of business at 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 JAPAN, NEC Corporation, a Japanese corporation having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 JAPAN and FUJITSU LIMITED, a Japanese corporation having its principal place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 JAPAN (hereinafter called the Assignees), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

And for the same consideration I do agree that I will upon request execute any instrument which the Assignees may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignees;

And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignees, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Nobuaki Hatori Date 22 Aug., 2014
Full name (typed or printed) Nobuaki HATORI

Witness: Tammy Usuki Witness: Takahiro Nakamura
Date: 22 Aug. 2014 Date: 22 Aug., 2014