PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAHIRO KIYOHARA	12/15/2014
SHOJI MURAMATSU	12/08/2014
MASAYUKI TAKEMURA	12/16/2014
KOTA IRIE	12/08/2014

RECEIVING PARTY DATA

Name:	CLARION CO., LTD.
Street Address:	7-2, SHINTOSHIN, CHUO-KU
City:	SAITAMA-SHI, SAITAMA
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14411768

CORRESPONDENCE DATA

Fax Number: (202)628-8844

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: 202-624-2500

Email: lbuckler@crowell.com

Correspondent Name: CROWELL & MORING LLP

Address Line 1: 1001 PENNSYLVANIA AVENUE, NW

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	029267.67349US
NAME OF SUBMITTER:	MARK H. NEBLETT, REG. NO. 42,028
SIGNATURE:	/Mark H. Neblett/
DATE SIGNED:	12/30/2014

Total Attachments: 3

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PATENT 503118221 REEL: 034597 FRAME: 0971

ASSIGNMENT (譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Clarion Co., Ltd., a corporation organized under the laws of Japan, located at 7-2, Shintoshin, Chuo-ku, Saitama-shi, Saitama, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Clarion Co., Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

VEHICLE SURROUNDINGS MONITORING DEVICE

Invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Clarion Co., Ltd., Its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully

and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made:

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Clarion Co., Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (将名日)
1) Masahiro KIYOHARA Masohiro Kiyohara	12/15/2014
2) Shoji MURAMATSU	
3) Masayuki TAKEMURA Masaindi Fakemur.	a 12/16/2014
4) Kota IRIE	·
5)	
6)	
7)	
8)	
9)	

PATENT REEL: 034597 FRAME: 0972

ASSIGNMENT (酶游症)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Clarion Co., Ltd., a corporation organized under the laws of Japan, located at 7-2, Shintoshin, Chuo-ku, Saitama-shi, Saitama, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Clarion Co., Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

VEHICLE SURROUNDINGS MONITORING DEVICE

Invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Clarion Co., Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully

and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made:

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or relacue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to Issue said Letters Patent to said Clarion Co., Ltd.

Signed on the date(s) indicated saids signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (祭名日)	
1)	Massahiro KIYOHARA		
(2)	Shoji MURAMATSU Shoji humamatan	08/12/2014	林林村
3)	Masayuki TAKEMURA	4 M	· · · · · ·
(4)	Kote IRIĖ	· · · · · · · · · · · · · · · · · · ·	入红棋
5)			
6)			
7)			 .
8)	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
9)		•	

PATENT REEL: 034597 FRAME: 0973

ASSIGNMENT (踱 游 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Clarian Co., Ltd., a corporation organized under the laws of Japan, located at 7-2, Shintoshin, Chuo-ku, Saltama-shi, Saltama, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Clarion Co., Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

VEHICLE SURROUNDINGS MONITORING DEVICE

invented by me. (If only one is named below) or us. (If plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Charlon Co., Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted,

and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or release applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee:

And I do hereby authorize and request the Commissioner of Patents to Issue said Letters Patent to said Glarion Co., Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(5) (発明者フルネームサイン)	Date Signed (優名日)	,
1) Masahiro KIYOHARA		
2) Shoji MURAMATSU	. <u> </u>	31 <i>*</i> #1
3) Masayuki TAKEMURA		 _
(1) KOLA IRIE Foliador	12/8/2014	入5年科
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PATENT REEL: 034597 FRAME: 0974

RECORDED: 12/30/2014