PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
JAD HALIMEH	04/30/2014		
MICHAEL HUELSEN	02/18/2014		
ROLAND SCHMID	01/21/2014		
WERNER UHLER	01/24/2014		
ANNETTE FREDERIKSEN	01/15/2014		
STEPHAN SIMON	01/10/2014		

RECEIVING PARTY DATA

Name:	ROBERT BOSCH GMBH		
Street Address:	POSTFACH 30 02 20		
City:	STUTTGART		
State/Country:	GERMANY		
Postal Code:	DE-70442		

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	14127069				

CORRESPONDENCE DATA

Fax Number: (212)425-5288

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: amagracia@kenyon.com
Correspondent Name: GERARD A. MESSINA
Address Line 1: KENYON & KENYON LLP

Address Line 2: ONE BROADWAY

Address Line 4: NEW YORK, NEW YORK 10004-1007

ATTORNEY DOCKET NUMBER:	10191/8243
NAME OF SUBMITTER:	GERARD A. MESSINA
SIGNATURE:	/Gerard A. Messina/
DATE SIGNED:	07/09/2014

Total Attachments: 8

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ASSIGNMENT

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WHEREAS, we,

Jad HALIMEH
bei Karabulut, Magdalena-Schwarz-Str. 18
DE-81829 Muenchen
Federal Republic of Germany
Citizenship: Federal Republic of Germany

Michael HUELSEN
Habigstr. 7
DE-58313 Herdecke
Federal Republic of Germany
Citizenship: Federal Republic of Germany

Roland SCHMID
Gruenlingweg 10
DE-70599 Stuttgart
Federal Republic of Germany
Citizenship: Federal Republic of Germany

Werner UHLER
Augsteinerstr. 11
DE-76646 Bruchsal
Federal Republic of Germany
Citizenship: Federal Republic of Germany

Annette FREDERIKSEN
Maisenburgweg 14
DE-71272 Renningen
Federal Republic of Germany
Citizenship: Federal Republic of Germany

and

Stephan SIMON
Pfarrlandstr. 10
DE-31079 Sibbesse
Federal Republic of Germany
Citizenship: Federal Republic of Germany

have made inventions and discoveries in **METHOD AND APPARATUS FOR RECOGNIZING DIRECTIONAL STRUCTURES ON A WINDOW PANE OF A VEHICLE**, for which an application for Letters Patent was filed as PCT International Application No. PCT/EP2012/059010, on May 15, 2012, and

WHEREAS ROBERT BOSCH GMBH, having a place of business at Postfach 30 02 20, 70442 Stuttgart, Federal Republic of Germany, and who, together with its

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successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

- 1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.
- 2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.
- 4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.
- 5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this day of \times April 2014.

Jad HALIMEH

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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \times 18th day of \times 16th may, 2014.

Michael HUELSEN

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \times 2014.

Roland SCHMID

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \times 24th day of \times 7 annually, 2014.

× Weven Uller Werner UHLER

	IN TEST	MONY W	HEREOF,	I have	hereunto	set my	hand	and	seal	this
×1500	day of \times	Januar	HEREUF,	2014.						

Annette FREDERIKSEN

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \times 10 th day of \times 10 unary, 2014.

Stephan SIMON

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RECORDED: 07/09/2014