503996534 09/08/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4043191

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICK GRAF	03/13/2014
JEFFREY A. BOCHENEK	03/14/2014
GREG SYPITKOWSKI	03/13/2014

RECEIVING PARTY DATA

Name:	ROBERT BOSCH LLC
Street Address:	2800 SOUTH 25TH AVENUE
City:	BROADVIEW
State/Country:	ILLINOIS
Postal Code:	60155
Name:	ROBERT BOSCH GMBH
Street Address:	POSTFACH 30 02 20
City:	STUTTGART
State/Country:	GERMANY
Postal Code:	D-70442

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15124496

CORRESPONDENCE DATA

Fax Number: (414)277-0656

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: 414-271-6560

Email: mkeipdocket@michaelbest.com

Correspondent Name: MICHAEL BEST & FRIEDRICH LLP (BOSCH)

Address Line 1:100 EAST WISCONSIN AVENUEAddress Line 4:MILWAUKEE, WISCONSIN 53202

ATTORNEY DOCKET NUMBER:	081276-9724-US01
NAME OF SUBMITTER:	JODI ANDERSON
SIGNATURE:	/jodi anderson/

PATENT 503996534 REEL: 039676 FRAME: 0828

DATE SIGNED:	09/08/2016	
Total Attachments: 3		
source=19618672_081276-9724-US01AssignmentAS_FILED#page1.tif		
source=19618672_081276-9724-US01AssignmentAS_FILED#page2.tif		
source=19618672_081276-9724-US01_	AssignmentAS_FILED#page3.tif	

PATENT REEL: 039676 FRAME: 0829

ASSIGNMENT

Pursuant to our obligation to Robert Bosch LLC (hereinafter referred to as "Assignee"), a Delaware limited liability company having its principal place of business at:

2800 South 25th Avenue Broadview, IL 60155

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Patrick Graf 30601 Balewood Street Southfield, MI 48076

Jeffrey A. Bochenek 4610 Windswept Drive Milford, MI 48380

Greg Sypitkowski 24133 Tana Ct. Farmington Hills, MI 48335

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, except as set forth below, our entire right, title and interest -

- (1) in and to inventions described in a patent application titled "SYSTEM AND METHOD FOR TRANSMITTING CAMERA-BASED PARAMETERS WITHOUT A DEDICATED BACK CHANNEL" for which we filed United States Provisional Patent Application No. 61/951,597 (Atty. File No. 081276-9724-US00);
- (2) in and to the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, and reissue applications) based upon said invention, and in and to the patent or patents to be granted

PATENT REEL: 039676 FRAME: 0830 thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including patent applications filed under the Patent Cooperation Treaty, the European Patent Convention or any other international treaty, and including the right to claim priority of said U.S. provisional patent application and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The foregoing notwithstanding, and in recognition of the fact that Assignee is part of the Bosch group of companies, we hereby assign to Robert Bosch GmbH, a German corporation having a mailing address at Postfach 30 02 20, D-70442 Stuttgart, GERMANY, the limited right to be named as assignee or applicant at the time of publication and at the time of issue on any applications or patents granted as referred to in foregoing paragraphs (2) and (3). If the right applicable to any such patent application allows an assignee to be the applicant of the patent application, Robert Bosch GmbH shall have the right to be identified as applicant of the patent application and the right to claim priority of said U.S. provisional patent application. This limited right granted to

PATENT REEL: 039676 FRAME: 0831 Robert Bosch GmbH with respect to any patent application or granted patent shall expire upon the first-occurring of (i) assignment to a third party of any of the above-mentioned rights of Assignee, or (ii) with respect to any particular patent, issue of such patent, and shall be subsequently part of the assignable rights of Assignee. All other rights to said invention, said applications and said patents, U.S. or foreign, including the right under any of said patents to manufacture, use, sell or offer for sale the invention covered by said patents, or to license or permit use of said invention, remain with Assignee and shall be assignable by Assignee without the consent of Robert Bosch GmbH.

13 Mare 14

13 - March 2014 Date

RECORDED: 09/08/2016