502893020 07/15/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2939618

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
EZEKIEL KRUGLICK	01/30/2014

RECEIVING PARTY DATA

Name:	ARDENT RESEARCH CORPORATION	
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14372439	

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ATTORNEY DOCKET NUMBER:	2817.0269USWO	
NAME OF SUBMITTER:	CARL K TURK	
SIGNATURE:	/Carl K Turk/	
DATE SIGNED:	07/15/2014	

Total Attachments: 3

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PATENT 502893020 REEL: 033318 FRAME: 0099

ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Ezekiel Kruglick, of 13842 Deergrass Ct., Poway, CA 92064-2276 U.S. ("Assignor"), effective as of May 20, 2013, hereby sells, assigns, transfers, and conveys unto Ardent Research Corporation, a corporation of the state of California, having a principal place of business at 13842 Deergrass Ct., Poway, CA 92064-2276 U.S. ("Assignee"), all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Rights"):

the inventions disclosed in the solution report/invention disclosure titled "Continuous road structure health survey monitoring by aggregated vehicle channel measurements" and all inventions claimed and/or described in the Application (collectively, the "Invention");

1. the patent applications listed in the table below (the "Application");

Patent Application No.	Country	Filing Date	Title: And Anthrope Land Control of the Control of
PCT/US14/15322	WO	02/07/2014	ROADWAY INFRASTRUCTURE MONITORING BASED ON AGGREGATED MOBILE VEHICLE COMMUNICATION PARAMETERS
14/372,439	US	07/15/2014	ROADWAY INFRASTRUCTURE MONITORING BASED ON AGGREGATED MOBILE VEHICLE

COMMUNICATION PARAMETERS

- all rights with respect to the Invention, including all U.S. patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application ("Potential Patents");
- 3. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
- 4. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("Foreign Rights"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
- 5. all rights to claim priority rights deriving from the Application;
- 6. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

7. any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Invention, Potential Patents, and the Foreign Rights.

Assignor will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

Assignor hereby authorizes and requests Assignee's authorized representative to insert on this Assignment any and all information necessary in the table in Section 2 above, including the filing dates, Patent Application Numbers, and titles when known.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, their successors, legal representatives and assigns.

[Signature Page(s) to Follow]

By:

Ezekiel Kruglick

13842 Deergrass Ct.,
Poway, CA 92064-2276 U.S.

NOTARIZATION

STATE OF Calafornia

SSS.

COUNTY OF Saudiano

I certify under PENALTY OF PERJURY under the laws of the State of <u>Cally Formal</u> that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

RECORDED: 07/15/2014

Signature Signature

L. BOARD
Comm. #2015420
Notary Public - California m
San Diego County
Comm. Expires Apr 1, 2017