

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4676304

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the RECEIVING PARTY DATA/ASSIGNEE NAME AND ADDRESS previously recorded on Reel 043037 Frame 0282. Assignor(s) hereby confirms the ASSIGNEE IS HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VOLODYMYR IVANOV	07/17/2017
ALEXEY PRYAKHIN	07/17/2017
IEVGENII BORSHCH	07/17/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH
<b>Street Address:</b>	BECKER-GOERING-STRASSE 16
<b>City:</b>	KARLSBAD-ITTERSBACH
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	76307
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15653335
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)715-1201
<i>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.</i>	
<b>Phone:</b>	4087151211
<b>Email:</b>	rsmith@artegislaw.com, algdocketing@artegislaw.com
<b>Correspondent Name:</b>	ARTEGIS LAW GROUP, LLP/HARMAN BECKER
<b>Address Line 1:</b>	710 LAKEWAY DRIVE
<b>Address Line 2:</b>	SUITE 185
<b>Address Line 4:</b>	SUNNYVALE, CALIFORNIA 94085
<b>ATTORNEY DOCKET NUMBER:</b>	HRMN0251US
<b>NAME OF SUBMITTER:</b>	MITCHEL L. JONES
<b>SIGNATURE:</b>	/Mitchel L. Jones/
<b>DATE SIGNED:</b>	11/06/2017
<b>Total Attachments: 5</b>	

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4509225

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VOLODYMYR IVANOV	07/17/2017
ALEXEY PRYAKHIN	07/17/2017
IEVGENII BORSHCH	07/17/2017
<b>RECEIVING PARTY DATA</b> <u>HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH</u>	
<b>Name:</b>	HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED
<b>Street Address:</b>	400 ATLANTIC STREET, 15 FLOOR <u>BECKER-GOERING-STRASSE 16</u>
<b>City:</b>	<del>STAMFORD</del> <u>KARLSBAD-ITTERSBACH</u>
<b>State/Country:</b>	<del>CONNECTICUT</del> <u>GERMANY</u>
<b>Postal Code:</b>	<del>06904</del> <u>76307</u>
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15653335
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)715-1201
<i>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.</i>	
<b>Phone:</b>	4087151211
<b>Email:</b>	kcruz@artegislaw.com, algdocketing@artegislaw.com
<b>Correspondent Name:</b>	ARTEGIS LAW GROUP, LLP - HARMAN
<b>Address Line 1:</b>	710 LAKEWAY DRIVE, SUITE 185
<b>Address Line 4:</b>	SUNNYVALE, CALIFORNIA 94085
<b>ATTORNEY DOCKET NUMBER:</b>	HRMN0251US
<b>NAME OF SUBMITTER:</b>	JOHN C. CAREY
<b>SIGNATURE:</b>	/John C. Carey/
<b>DATE SIGNED:</b>	07/18/2017
<b>Total Attachments: 2</b>	
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# **ASSIGNMENT FOR APPLICATION FOR PATENT WITH DECLARATION STATEMENT**

WHEREAS:

Names and Addresses of Inventors:

1)	Volodymyr IVANOV Odelzhausen GERMANY	2)	Alexey PRYAKHIN Munich GERMANY
3)	Ievgenii BORSHCH Munich GERMANY		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

## **DYNAMIC LAYERS FOR NAVIGATION DATABASE SYSTEMS**

enclosed herewith or for which application for Letters Patent in the United States was filed on  
July 18, 2017 under Serial No. 15/653,335 and

Becker-  
Goering-  
Strasse 16,  
Karlsbad-  
Ittersbach,  
Germany  
(Federal  
Republic  
of), 76307

~~WHEREAS, HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, a Corporation, of~~  
~~Delaware, respectively, having a place of business at 400 Atlantic Street, 15th Floor, Stamford,~~  
~~Connecticut 06904, respectively (hereinafter referred to as Assignee), is desirous of acquiring the entire~~  
right, title and interest in and to said application (hereinafter referred to as Application), and the invention  
disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention,  
heretofore conceived, made or discovered by said Assignors, and in and to any and all patents,  
inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in  
any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said  
Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and  
exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to  
apply for patents on said Invention in any and all countries pursuant to the International Convention for  
the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and  
all Patents granted on said Invention in any and all countries and groups of countries, including each and  
every Application filed and each and every Patent granted on any application which is a conventional,  
division, substitution, or continuation of said Application; and (d) in and to each and every reissue or  
extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable  
said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in  
any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt  
production of pertinent facts and documents, giving testimony, execution of petitions, oaths,  
specifications, declarations or other papers, and other assistance all to the extent deemed necessary or  
desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed;  
(b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional,  
divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting  
applications for reissuance of any of said Patents; (e) for interference or other priority proceedings

involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. In the event that the filing date and/or Application No. of said Invention are not entered above at the time Assignors execute this document, and if such information is deemed necessary, Assignors hereby authorize and request the attorney/agent(s) of **Artegis Law Group, LLP**, to insert above the filing date and/or Application No. of said application.

6. This declaration is directed to the attached application, or (if following box is checked):

☒ United States application or PCT international application number  
15/653,335 filed on July 18, 2017

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me;

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application; and

I acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 17.07.2017 (DATE)

Volodymyr IVANOV

2) 17. Jul 2017 (DATE)

Alexey PRYAKHIN

3) 17.07.2017 (DATE)

Ievgen BORSHCH