PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
Harman Becker Automotive Systems GmbH	07/02/2010

RECEIVING PARTY DATA

Name:	JPMorgan Chase Bank, N.A., as Administrative Agent
Street Address:	270 Park Avenue
City:	New York
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 369

Property Type	Number
Patent Number:	D470828
Patent Number:	D491555
Patent Number:	D575711
Patent Number:	D575210
Patent Number:	D575712
Patent Number:	D575211
Patent Number:	D584259
Patent Number:	D574795
Patent Number:	6529605
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Patent Number:	6888946
Patent Number:	7158651
Patent Number:	7302077
Patent Number:	7034898
Patent Number:	7158880

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Application Number:	12693392
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Application Number:	09890315
Application Number:	09748702
Application Number:	10009385

Application Number:	09762290
Application Number:	29306288
Application Number:	12026253
Patent Number:	7463975

CORRESPONDENCE DATA

Fax Number: (866)826-5420

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 3016380511

Email: ipresearchplus@comcast.net

Correspondent Name: IP Research Plus, Inc.

Address Line 1: 21 Tadcaster Circle

Address Line 2: Attn: Penelope J.A. Agodoa

Address Line 4: Waldorf, MARYLAND 20602

ATTORNEY DOCKET NUMBER:	35914

NAME OF SUBMITTER:	Penelope J.A. Agodoa

Total Attachments: 37
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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)	2. Name and address of receiving party(ies)

1. Name of conveying party(ies)

Harman Becker Automotive Systems GmbH

Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No

2. Name and address of receiving party(ies)

Name: JPMorgan Chase Bank, N.A. as Administrative Agent

Internal Address: _____

Street Address: 270 Park Avenue

3. Nature of conveyance/Execution Date(s):

Execution Date(s) July 2, 2010

☐ Assignment   ☐ Merger

☑ Security Agreement   ☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other_____

City: New York

State: New York

Country: United States of America   Zip: 10017

Additional name(s) & address(es) attached? ☐ Yes ☑ No

4. Application or patent number(s):   ☐ This document is being filed together with a new application.

A. Patent Application No.(s)
Please see attached Schedule I.

B. Patent No.(s)
Please see attached Schedule I.

Additional numbers attached? ☑ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: IP Research Plus

Internal Address:_____

     Attn: Penelope J.A. Agodoa

Street Address:_____

     21 Tadcaster Circle

City: Waldorf

State: MD   Zip: 20602

Phone Number: 301-638-0511

Fax Number: 866-826-5420

Email Address: orders@ipresearchplus.com

6. Total number of applications and patents involved: 383

7. Total fee (37 CFR 1.21(h) & 3.41) $_____

☐ Authorized to be charged by credit card

☐ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card   Last 4 Numbers _____
               Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature: *Alexandra Schiffrin*   07/23/2010

Signature   Date

Alexandra Schiffrin
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 37

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT
REEL: 024733 FRAME: 0681**

PATENT AND TRADEMARK SECURITY
AGREEMENT dated as of July 2, 2010 (this "Agreement"),
between HARMAN BECKER AUTOMOTIVE SYSTEMS
GMBH, a German corporation (the "Grantor"), and JPMORGAN
CHASE BANK, N.A., as Administrative Agent (the
"Administrative Agent").

        Reference is made to the Guarantee and Collateral Agreement dated as of March 31, 2009 (as amended, supplemented or otherwise modified from time to time, the "Collateral Agreement"), among Harman International Industries, Incorporated (the "Company"), Harman Holding GmbH & Co. KG, (the "Additional Borrower"), the Subsidiaries of the Company party thereto and the Administrative Agent. The Extended Tranche Lenders have agreed to extend credit to the Borrowers subject to the terms and conditions set forth in the Second Amended and Restated Multi-Currency, Multi-Option Credit Agreement dated as of March 31, 2009 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Borrowers, the Lenders party thereto and the Administrative Agent. The obligations of the Extended Tranche Lenders to extend such credit are conditioned upon, among other things, the execution and delivery of this Agreement. Accordingly, the parties hereto agree as follows:

        Section 1. <u>Terms.</u> Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Credit Agreement or Collateral Agreement, as applicable. The rules of construction specified in subsections 1.2 and 1.3 of the Credit Agreement also apply to this Agreement, <u>mutatis mutandis</u>.

        Section 2. <u>Grant of Security Interest.</u> As security for the payment or performance, as the case may be, in full of the Foreign Secured Obligations, the Grantor, pursuant to the Collateral Agreement, did and hereby does grant to the Administrative Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest in, all right, title and interest in and to any and all of the following assets and properties now owned or at any time hereafter acquired by the Grantor or in which the Grantor now has, or at any time in the future may acquire any right, title or interest (collectively, the "Patent and Trademark Collateral"):

        (a) all pending and issued design and utility patents filed in the United States, including pending and issued Patents (as defined in the Collateral Agreement) including those listed on Schedule I;

        (b) all divisional, continuations, and continuation-in-part applications and issued Patents involved in a reissue proceeding or subject to a reissue certificate, or any reexamination certificates;

        (c) all unfiled, pending and registered trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade styles, trade dress, logos, other source or business identifiers filed in the United States Trademark Office, in any similar office in any State, or in any

other country or any politically recognized jurisdiction that allows for the protection of these rights, including all extensions or renewals now existing or hereafter adopted or acquired, registered Trademarks (as defined in the Collateral Agreement) and Trademark applications including those listed on Schedule II;

    (d) all goodwill associated with or symbolized by the Trademarks; and

    (e) any general intangible asset of like nature involving an intellectual property right.

    Section 3. <u>Collateral Agreement.</u> The security interests granted to the Administrative Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Administrative Agent pursuant to the Collateral Agreement. The Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the Patent and Trademark Collateral are more fully set forth in the Collateral Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Collateral Agreement, the terms of the Collateral Agreement shall govern.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

HARMAN BECKER AUTOMOTIVE
SYSTEMS GMBH,

by

Name: DR. FRANK GROTH
Title: VP LEGAL

by

Name: _MARK HAEGE_
Title: SVP FINANCE

JPMORGAN CHASE BANK, N.A., as
Administrative Agent,

By

Name:

Title: Helene P. Sprung
             Senior Vice President

INTELLECTUAL PROPERTY

I.   Patents

Registered Owner	Patent	Patent Number	Expiration Date
Harman Becker Automotive Systems GmbH	**Video Display**	**D470,828**	**25-Feb-2017**
	Audio Head Unit Face Plate	**D491,555**	**15-Jun-2018**
	Alternative Input Devices (Input Devices For Vehicle Control Systems)	**D575,711**	**26-Aug-2022**
	Alternative Input Devices (Input Devices For Vehicle Control Systems)	**D575,210**	**19-Aug-2022**
	Alternative Input Devices (Input Devices For Vehicle Control Systems)	**D575,712**	**26-Aug-2022**
	Alternative Input Devices (Input Devices For Vehicle Control Systems)	**D575211**	**19-Aug-2022**
	Portable DVD Player With Touchscreen Display	**D584259**	**06-Jan-2023**
	Portable DVD Player With Touchscreen Display	**D574,795**	**12-Aug-2022**
	Design For Remote Control - RC With Cradle	**29/306,288**	**05-Oct-2032**
	Method And Apparatus For Dynamic Sound Optimization	**6,529,605**	**08-Aug-2021**
	Flat Panel Loudspeaker Arrangement	**7,062,064**	**08-Dec-2022**

	High Frequency Loudspeaker	6,888,946	04-Jan-2022
	Electro-Magnetic Driver For A Plate Loudspeaker	7,158,651	26-Sep-2021
	Electro-Magnetic Driver For A Plate Loudspeaker	7,302,077	21-May-2023
	TV Carrier Browser	7,034,898	12-May-2022
	Navigation System	7158880	13-Aug-2022
	Data Transmission Via Wireless Connection	6968217	21-Feb-2021
	Data Transmission Via Wireless Connection	7,421,289	21-Feb-2020
	MOST Cascade Of Tuners	7,120,404	13-Jul-2021
	Mobile CD Music Title Identification In A Car	7,062,254	31-Aug-2022
	MOST Transmission Of Microphone Data	6,862,289	13-Jun-2023
	Graphics Data Transmission On Geographical Basis	7,162,364	13-Apr-2021
	Graphics Data Transmission On Geographical Basis	7,668,648	06-May-2021
	Noise Dependent Volume Control	6,628,788	27-Nov-2021
	Method For Circuit Channel Sharing At MOST Networks	7,209,488	11-Nov-2024
	Method For Circuit Channel Sharing At	7,209,488	11-Nov-2024

	MOST Networks		
	MOST Streaming Format For Speech Signals	7,071,861	19-Mar-2024
	MOST Streaming Format For Speech Signals	7,280,051	19-Mar-2024
	Multimedia Unit Having Multiple Transceivers For Use In A Vehicle	7,400,234	13-Nov-2021
	Modular Multimedia Head Unit	6,727,606	16-May-2021
	Method For Finding The Route To A Destination	6,853,915	12-Sep-2021
	Navigation Map Creation System	7,089,162	14-Nov-2023
	Field Strength Dependent Video Filter	7,136,114	11-Feb-2022
	Field Strength Dependent Video Filter	7,136,114	11-Feb-2022
	Noise Reduction System	7,315,623	04-Dec-2021
	Recognizing Similar TV Pictures	7,006,158	21-Mar-2023
	Navigation Apparatus With Intelligent Display	6,704,646	10-Feb-2022
	Navigation System With Speech-Controlled Display Of Special Destinations In Map Configuration	7,472,020	04-Aug-2025
	Digital Display Of An Analog RGC Picture	7,183,961	25-Jul-2022
	Transmission Of Compressed Video Data	7,333,888	

	For Display Of A Navigation Map		
	Loudspeaker	7,272,707	25-Apr-2021
	Panel Loudspeaker	7,187,776	13-Jul-2021
	Gateway Between Busy Systems With Different	7089343	28-Nov-2022
	Equalizer Banks	7145944	30-Mar-2024
	Equalizer Banks	7,668,237	04-Mar-2021
	Address Data Storage Device	6,553,379	23-May-2021
	Fixing Mechanics For Locking And Unlocking	7,123,885	25-Apr-2022
	Apparatus And Method For Multichannel Sound Reproduction System	7,065,217	05-Mar-2022
	RDS Supporter Synchronization	6,661,292	11-Mar-2022
	Digitaler Oscillator And POL For The Supporter Synchronization	7,164,735	11-Mar-2022
	Digitaler Oscillator And POL For The Supporter Synchronization	7,164,735	11-Mar-2022
	GPS (Global Positioning System) Based Method For Determining A Change Of An Inflation Pressure Of A tire And System Therefor	7,187,273	07-May-2024
	Tracking Of Stolen Vehicles Or Telemetric Devices	7,688,197	05-Jul-2023

	Device For Initiating An Emergency Call	7,580,697	12-Nov-2021
	Device For Initiating An Emergency Call	7,580,697	12-Nov-2021
	Vehicle Computer System And Method For Controlling A Cursor	6,757,594	15-May-2022
	System For Controlling A Cursor In A Vehicle Computer System	6,904,338	17-Nov-2022
	Operating Device For An In-Car Computing System And In-Car Computing System	6,911,919	28-Jun-2022
	Speed Warning When Cornering-Uses Navigation System	7,509,214	20-Dec-2026
	Stereo Radio Receiver With Noise Suppression	7,239,710	31-Jan-2025
	Functional Signal Receiver	7,305,225	09-Jul-2022
	Functional Signal Receiver	7,305,225	09-Jul-2022
	Improvements In And Relating To A Loudspeaker Cone	7,539,324	26-Aug-2023
	Destination Input Recognition	7,392,189	21-Feb-2023
	Analog to Digital Diversity Receiving System	7,428,022	31-May-2022
	Navigation Display With Enlarging Function	6,898,523	12-Nov-2022

	Map Style	7,096,118	17-Jun-2022
	Alpha Look Up Table	7,720,312	16-Sep-2027
	Traffic And Travel Information Reception In A Background Tuner Of A Radio Broadcast Receiver	7,254,378	20-Mar-2025
	Vehicle Control System	7,477,970	18-Feb-2023
	Method And System For Controlling Service Access	7,676,830	03-Sep-2024
	Receiver For TV And/Or Radio Programs And Method For Monitoring TV And/Or Radio Programs	7,403,755	06-Jan-2025
	Receiver For TV And/Or Radio Programs And Method For Monitoring TV And/Or Radio Programs	7,403,755	06-Jan-2025
	XML Packet Server	7,577,740	16-Aug-2026
	Metal Vapour EMV Screen	7,507,904	23-Oct-2021
	Metal Vapour EMV Screen	7,507,904	23-Oct-2021
	Communication System With WAP Browser	7,519,688	30-Nov-2021
	Electrodynamical Motor With Moving Coil Particularly For Loudspeaker, Loudspeaker And Suited Polar Piece	7,283,642	13-Feb-2022

	Loudspeaker	5,602,930	11-Feb-2014
	Height Generating Satellite Navigation System	7,489,991	19-Oct-2023
	System For Generating Electronic Models Of Three Dimensional Objects For Navigation Maps	7,643,669	30-Dec-2023
	Route Calculation Around Traffic Obstacles Using Marked Diversions	7,526,377	10-May-2025
	Display Module	7,300,024	16-Jul-2024
	Display Module	7,712,707	18-Oct-2023
	Acoustic Instructions In Off-Road Navigation	7,321,823	14-Oct-2024
	Navigation System With Acoustic Route Information	7,463,975	24-Feb-2023
	Loudspeaker	7,418,107	26-Sep-2025
	Data Base System For Navigation Device	7,181,344	01-Oct-2024
	Audio Enhancement System And Method	7,302,062	21-Mar-2025
	Audio Enhancement System And Method	7,302,062	19-Mar-2024
	Circuitry Arrangement For Reducing The Dynamic Range Of Audio Signals	7,430,296	20-Jul-2022
	Circuitry Arrangement For Reducing The Dynamic Range Of Audio	7,430,296	18-Jul-2022

	Signals		
	Parametric Control Of Cut-Off Frequency Of Digital Filters	7,287,050	29-Sep-2023
	Mobile Television Receiver	7,646,435	18-Oct-2027
	Combination Of Haptic And Speech Input For Vehicle Multimedia Device	7,457,755	05-Oct-2026
	Vehicle Computer System And Method For Selecting And Activating A Selection Menu	7035720	12-Nov-2023
	ATAPI-Reverser	7,546,396	17-Feb-2025
	Navigation System With Translation Function For Traffic Signs	7,386,437	13-Aug-2024
	Apparatus For Cooling Semiconductor Devices Attached To A Pinted Circuit Board	7,187,553	09-Aug-2024
	Method For Scanning Of Three Dimensinal Objects Using Differential GPS Data	7,689,032	15-Dec-2027
	Navigation System With Improved Voice Output Control	7,177,762	29-Oct-2024
	System For Texturizing Three Dimensional Electronic Models Of Objects	7,561,165	11-Oct-2022
	Vehicle Multimedia System Having Two Processing Units	7,664,931	01-Jul-2024

	Method For Processing Digital Map Data	7,248,184	05-Aug-2024
	System For Data Transfer Between Storaga Media	7,730,231	10-Nov-2025
	Method For Tuning A Multi Channel Surround Sound System In A Room	7,386,133	09-Oct-2024
	Method for communicating information in a preferred language from a server via a mobile communication device	7,552,221	15-Oct-2024
	Antenna Diversity With Identification Of Specific Properties From Antenna And Evaluation	7,542,750	28-Feb-2027
	Receipt Depend Electricity-Save-Mode	7,457,598	21-Dec-2024
	Weather Information System	7,406,382	22-Apr-2025
	WEAVE Mode For DVD-Menue	7,667,771	17-Oct-2027
	High Frequency Receiver With Quality Based Input Control	7,539,469	09-Dec-2025
	Asynchronom Sample Rate Converter	7,167,113	20-Dec-2024
	Asynchronom Sample Rate Converter	7,450,036	20-Dec-2024
	Last Action Menu	7,643,917	29-Aug-2025
	Locking Of Memory Cards And Micro-Drive	7,682,176	27-Sep-2027

	Procedure For The Extension Of The Range Of Speech Signals, Which Will Transfer Over A Telephone Channel	7,693,714	06-Feb-2029
	Horizontal Adjustable Turning Pressing Plate	7,528,330	22-Jul-2025
	Multi Moduls Tuner	7,676,202	05-Jan-2027
	Warning Assistant	7,595,741	29-Mar-2026
	Hard Disk Suspension System For Use In A Vehicle	7,428,156	15-Nov-2025
	Cooling Means For Vehicle Multimedia Headunit	7,706,142	17-Jun-2026
	Control Circuit For Direct Current Motor	7,439,698	23-Jan-2026
	Distributed Vehicle Infotainment System	12/026,253	05-Oct-2007
	Roof Antenna Array Phase Diversity System	7,696,939	06-Mar-2028
	Method For Noise Suppression In FM And PM Receivers	5,303,414	11-Sep-2011
	Arrangement For Reproducing Bass Tones In A Vehicle	5,287,412	26-Jun-2012
	Voice Coil System For An Electromagnetic Converter	5,424,496	30-Nov-2013
	Conical Loudspeaker	5,243,151	16-Oct-2012

	Method Of Autobest	5,390,343	04-Mar-2012
	Coaxial Loudspeaker System	5,398,288	02-Aug-2013
	Light-Weight Conical Loudspeaker	5,402,503	30-Sep-2013
	Arrangement For Active Sound Damping	5,466,899	02-Dec-2014
	Suspension Mount For Conical Loudspeaker	5,574,797	19-Dec-2014
	Double Chamber Bass Reflex Box	5,523,524	12-Dec-2014
	Method Of RDS Decoding	5,553,313	20-Oct-2014
	Loudspeaker	5,581,624	23-May-2015
	Voice Coil Support For Loudspeaker	5,647,014	23-May-2015
	Loudspeaker	5,699,439	23-May-2015
	Arrangement For Erasing Sound Waves	5,703,337	18-Jul-2016
	Magnet-System	5,729,617	25-Jul-2016
	Loudspeaker	6,031,924	27-Mar-2017
	Loudspeaker	6,359,997	17-Apr-2017
	Subwoofer Loudspeaker Box	5771302	06-May-2017

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	D2B System Protocol	6,157,725	10-Dec-2017
	Voice Coil Arrangement And System For Its Production	6,130,955	19-Mar-2018
	Sound Reproduction Device	6,212,284	04-Aug-2018
	Sound Reproduction Arrangement	6,275,598	18-Dec-2018
	Suspension For Sound Reproduction Arrangements By The Flexible Shaft Principle	6,160,898	18-Dec-2018
	Contacting For A Sound Reproduction Arrangement	6,560,348	18-Dec-2018
	Amplifier Adjustment	6,188,970	17-Sep-2018
	Method And Apparatus For Speech Input Of A Destination Address Into A Navigation System In Real Time	6,230,132	10-Mar-2018
	AGC-Signal Monitoring	7,116,959	30-Sep-2018
	Method For Qualifying A TV-Signal	6,441,847	30-Sep-2018
	Transmission Of Compressed Data In A Local Network	7,451,471	15-Dec-2020
	Transmission Of Compressed Data In A Local Network	7,451,471	15-Dec-2020
	Sound Reproduction Device	6,622,817	14-May-2019

	Projection Screen	6,369,943	
	Flat Panel Loudspeaker For Low Frequencies	7,236,601	
	Driver For A Flat Acoustic Panel	6,347,149	14-May-2019
	Device For Dynamic Excitation Of Panel Loudspeaker	6,494,289	14-May-2019
	Positioning Of Exciter On The Flat Panel Speaker	6,836,552	14-May-2019
	Acoustic Wall	6,170,603	03-Sep-2019
	Multi-Resonance Plate	6,748,090	14-Sep-2019
	Broadcast Receiver With Removable Front Panel	6,193,438	12-May-2019
	System For Automatically Finding A Radio Program	7,274,918	11-Oct-2022
	System For Automatically Finding A Radio Program	7,274,918	11-Oct-2022
	Door	7,088,836	20-Nov-2021
	Door	7,088,836	20-Nov-2021
	Loudspeaker With A Front-Mounted Sealing Element	6,661,902	08-Jan-2021
	Sound System	7123724	01-Nov-2023
	MOST Graphics Transmission	6,782,552 B1	25-Feb-2020

	Motor Vehicle Sound System	7,512,244	31-Mar-2019
	Motor Vehicle Sound System	7,039,196	31-Mar-2020
	MOST MMI Interface For TINFO Services	6,647,327	15-Nov-2020
	Identification System For Emergency Call	7162219	05-Feb-2022
	Aerial And Frequency Diversity Receiver	7,277,686	10-Jan-2023
	Aerial And Frequency Diversity Receiver	7,277,686	10-Jan-2023
	Method For Accessing The Quality Of A Television Image	6,262,766	30-Sep-2019
	Overlapping Pictures	6,714,256	14-Sep-2021
	Overlapping Pictures	7,227,584	19-Feb-2022
	Digital Transcoder System	7,106,799	16-Apr-2022
	Digital Transcoder System	7,106,799	16-Apr-2022

II.   Patent Applications

Registered Owner	Patent	Application Number	Filing Date
Harman Becker Automotive Systems GmbH	Arrangement For The Auralization Of A Loudspeaker In A Wiretapping Room And By The Use Of Any Input	10/451,613	20-Jun-2003

	Signal		
	Navigation System	11/618,169	29-Dec-2006
	MOST Cascade Of Tuners	11/545,016	06-Oct-2006
	Placing Of A Multimedia Player In A Car	09/791,396	22-Feb-2001
	Mobile CD Music Title Identification In A Car	11/444,974	01-Jun-2006
	MOST Protocols Over Bluetooth	10/005,208	04-Dec-2001
	Multimedia Unit Having Multiple Transceivers For Use In A Vehicle	12/171,455	11-Jul-2008
	MOST Multiple Data Transmission Protocol	09/892,784	27-Jun-2001
	MOST Derivation Of IP Addresses	09/892,783	27-Jun-2001
	Noise Reduction System	11/966,198	28-Dec-2007
	Multipath Compensation For Signal Receivers	11/063,713	22-Feb-2005
	Automatic Switching Of Sound Characteristics	11/314,075	20-Dec-2005
	Digital Display Of An Analog RGC Picture	11/678,928	26-Feb-2007
	Automatic Determination Of A Meeting Point	10/562,083	23-Dec-2005
	Automatic Determination Of A Meeting Point	11/495,168	28-Jul-2006
	Matcher Power PIN Diode	11/049,777	01-Feb-2005

	Preamplifier		
	Audio Analog Digital Converter Decoding System	11/071,017	03-Mar-2005
	Loudspeaker	11/935,018	05-Nov-2007
	Circuit Arrangement For Audio Reproduction And For Hands-Free Operation In An Automobile	10/476,169	27-Oct-2003
	Gateway Between Busy Systems With Different	11/500,159	07-Aug-2006
	Modulated Power Supply Amplifier	10/158,402	30-May-2002
	Apparatus And Method For Multichannel Sound Reproduction System	11/455,913	19-Jun-2006
	RDS Supporter Synchronization	10/729,884	05-Dec-2003
	Method And Circuit Arrangement For Data Transfer	10/479,885	26-Jul-2004
	Method For Controlling A Plurality Of Units Interconnected In A Ring Network And Ring Network	10/171,418	13-Jun-2002
	Navigation-Based Speed-Dependent Volume Control	11/198,012	05-Aug-2005
	Stereo Radio Receiver With Noise Suppression	11/772,589	02-Jul-2007
	Method For Speed Control	09/748,108	27-Dec-2000

	Transmission Of Special Routes To A Navigation Device	10/531,338	14-Apr-2005
	Audio Systems With Balance Setting Based On Information Addresses	10/528,870	24-Mar-2005
	Method Of Outputting Speech, Data Carrier Comprising Speech Data, Application Apparatus	10/840,934	07-May-2004
	Hybrid Data Compression For Navigation Voice Prompts	10/897,595	23-Jul-2004
	Method And System For Outputting Traffic Data To A Driver Of A Vehicle	10/912,867	06-Aug-2004
	Common Service Interface	10/563,069	30-Jun-2004
	Common Service Interface	11/521,586	14-Sep-2006
	The Use Of A Mathematical Optimization Stategy For Interference Compensation In Case Of Parametric And Graphic Equalizer Banks	10/488,958	15-Oct-2004
	Device For Controlling Fluorescent Tubes	10/526,233	28-Feb-2005
	Local Area Network Extra Communication Via Power Line	10/493,723	26-Apr-2004
	Dynamic Navigation Advice	10/562,413	23-Dec-2005
	Navigation Device With Headset	11/456,761	11-Jul-2006

	Storage Of Navigation Map Data On Rewriteable Disks	11/261,428	27-Oct-2005
	Vehicle Entertainment And Information Processing System Having A Navigation Function And Method	11/283,547	17-Nov-2005
	Image Display System	11/182,526	15-Jul-2005
	Loudspeaker	12/174,483	16-Jul-2008
	Parametric Control Of Cut-Off Frequency Of Digital Filters	11/876,361	22-Oct-2007
	Sound System For Cars	10/673,914	29-Sep-2003
	Data Transmission Synchronization Scheme	11/188,039	22-Jul-2005
	Method For A Sequential Information Input Having A Speech Input Mode And Haptic Input Mode	11/045,852	27-Jan-2005
	Access Control To Encrypted Data Services For A Vehicle Entertainment And Information Processing Device	10/984,731	08-Nov-2004
	Stereo Audio-Signal Processing System	10/842,056	06-May-2004
	Active Noise Tuning System, Use Of such A Noise Tuning System And Active Noise Tuning Method	11/083,364	17-Mar-2005
	Navigation Device And Method For Providing Cost Information	10/937,998	09-Sep-2004

	A Driver Information System	10/706,221	12-Nov-2003
	Circuit Arrangement And Method For Digital TV-Reception In Mobile TV-Receivers	10/532,176	03-Feb-2006
	Racetrack Subwoofer Loudspeaker With Double Spider And Metal Membrane	10/846,848	14-May-2004
	Navigation System With Means To Alert The Driver Of Potential Misguidance	11/018,484	17-Dec-2004
	Option Menu	11/588,841	27-Oct-2006
	Direct Access To Preferred Menu Options	11/589,324	27-Oct-2006
	Virtual Center Speaker In Logic Car Audio Systems	12/592,282	20-Nov-2009
	Dynamic Volume And Equalization Control	11/410,538	25-Apr-2006
	Resonance Fine Tuning For Vehicle Data Networks	10/900,577	26-Jul-2004
	Vehicle Display System	10/926,767	26-Aug-2004
	Navigation System With Animated Junction View	11/462,306	03-Aug-2006
	Hardware Speedup At Alpha Blending	11/441,838	26-May-2006
	RGB-Noise	11/359,649	21-Feb-2006
	Method For Equalization Of Loudspeakers For In-Door Communication	11/118,092	29-Apr-2005

	Systems		
	Method To Play-Back Digital Audio Data From Mobile Device Via Radio Transmission With A Handsfree Set In Vehicles	11/266,140	02-Nov-2005
	Navigation System With An Announcement About The Walking Minutes And Distance To The Destination	11/122,773	04-May-2005
	Feedback Limiter	12/145,986	25-Jun-2008
	Long Fiber Thermo-Polymer Fabric For Loudspeaker Cone and Dome	11/123,968	06-May-2005
	Digital Map	11/176,573	06-Jul-2005
	Acoustic Echo Cancellation In Frequency Domain	12/710,092	22-Feb-2010
	Method For Automatic Adjusting Of An Equalizer	11/434,496	15-May-2006
	System For Enhancing Communication In A Noisy Environment	12/693,176	25-Jan-2010
	"Back" Hardkey During Status Screen Last User Position	11/212,494	26-Aug-2005
	Last Action Menu	12/647,963	28-Dec-2009
	User-Defined Keys	11/256,675	20-Oct-2005
	Locking Of Memory Cards And Micro-Drive	12/608,270	29-Oct-2009

	Controlling Of A Speech Input Device By An Acoustic Output Mechanism	11/858,383	20-Sep-2007
	Modulation Of Analog RGB-Figure Data	11/352,459	10-Feb-2006
	Dynamic Equalization Control	11/185,534	20-Jul-2005
	Dynamic Equalization Control	12/246,101	06-Oct-2008
	Thermal Management Of A DSP Amplifier	11/741,479	27-Apr-2007
	Thermal Management Of A Loudspeaker	11/610,688	14-Dec-2006
	High Clay/Tone Rendition With Far Opening Angle And High Efficiency	11/340,415	26-Jan-2006
	Participant Detection For Free Speech Communication Systems	11/740,164	25-Apr-2007
	ANC/MST-System For Vehicles And Headphones With Masking Model	12/015,219	16-Jan-2008
	Cooling Means For Vehicle Multimedia Headunit	12/759,555	13-Apr-2010
	Audio Data Containing Phonetic Transcription Of Meta-Information	11/360,034	21-Feb-2006
	Language Detection From Meta-Data Contained In Multimedia Files	11/359,755	21-Feb-2006
	System For Updating Software Through Dedicated Connectors On	11/433,054	12-May-2006

	The Circuit Board		
	Remote Control Device For Vehicle Infotainment System	11/433,055	12-May-2006
	Automatic Adjustment Of Vehicle Components With The Help Of A Group Of Microphones	11/362,286	23-Feb-2006
	Selective Disabling Of Features In A Vehicle Multimedia System	11/389671	24-Mar-2006
	Contactless Liquid Crystal Display	11/837,136	10-Aug-2007
	Multilevel Push Pull Converter	11/624,491	18-Jan-2007
	Micro Controlled Load Detection	12/126,178	23-May-2008
	Determination Of Position And Orientation Of The Head By Using Non-Audible Audio Signals	12/013,943	14-Jan-2008
	Switch With Two Segments	11/866,288	02-Oct-2007
	Latency Compensation For Radio Receivers	11/775,421	10-Jul-2007
	Wireless Fan For Printed Circuit Board	11/398,487	05-Apr-2006
	Wireless Fan For Printed Circuit Board	11/691,203	26-Mar-2007
	Wireless Fan For Printed Circuit Board	11/937,784	09-Nov-2007
	System For Simultaneous Deverberation And Echo	11/411,004	25-Apr-2006

	Compensation		
	Dynamic Time Offset In Interleaved Power Amplifiers	11/283,035	18-Nov-2005
	Headtracker For Use In Vehicles	11/948,494	30-Nov-2007
	Route Search With Grid-Based-Layers	11/595,802	09-Nov-2006
	Feedback Suppression And Improved Acoustic Localization For In-Car Communication Systems	11/753,255	24-May-2007
	Ultra Compact Woofer (USW)	11/544,451	06-Oct-2006
	Enhanced Algorithm For Background Noise Estimation Width Incorporated Suppression Of Impulsive Noise Signals	12/718,473	05-Mar-2010
	New Method To Get A Level-Correct Estimation Of The Background Noise Power Spectral Density	12/729,839	23-Mar-2010
	Storage And Visualising Points Of Interest In A Nagivation System	11/726,394	21-Mar-2007
	Navigation Driving Instructions Generated From Loadable Grammars	11/616,279	26-Dec-2006
	Method To Adjust The Tuning, At Least Partially, In An Automatic Manner Utilizing Paychoacoustival Criteria	12/109,786	25-Apr-2008
	Magnetic Support For Transducers Membranes	11/766,184	21-Jun-2007

	Navigation Route Determinations Based on Vehicle Parameters	11/683,404	07-Mar-2007
	Optimizing The Navigation Route Based On Vehicle Type	11/692,876	28-Mar-2007
	Automatic Calibration Of Hands-Free Telephone Systems That Have A Connection To Different Mobile Phones	11/782,514	24-Jul-2007
	Enabling Speech-Driven Access To Vocal Music Data By Means Of Refrain Detection And Enrollment Of The Refrain And Portions Of It Into ASpeech Recognition	11/674,108	12-Feb-2007
	Setting of Three-Dimensional Cityscapes In Three-Dimensional City Models	11/868,632	08-Oct-2007
	Method For Displaying An Object On An Electronic Map And Corresponding Storage Unit And Navigation System	11/779,438	18-Jul-2007
	Representation Of A Territory Model Via Curves Areas	11/943,892	21-Nov-2007
	Method For Audio Signal Output In Cars Using Multiple Loudspeakers	11/799,105	30-Apr-2007
	An Insert Mouled Conductor Within Rubber Spider And Surround Components For Loudspeakers	12/197,214	22-Aug-2008
	Method To Adjust The Acoustical Tuning Of A System	11/697,119	05-Apr-2007

	Method To Adjust The Acoustical Tuning Of A System	12/240,464	29-Sep-2008
	Speed Fastener Of Devices and Electronic Devices In Circuit Boards	11/782,089	24-Jul-2007
	Text Input Over Speech Recognition For Text Messages In Navigation Systems	11/775,450	10-Jul-2007
	Specification Of Storage Size Of A Data Base Via A Virtual Machine Program	11/775,666	10-Jul-2007
	Identification Of big Textlists In Navigation System Data Bases	11/752,418	23-May-2007
	Anti Car Theft And Localisation System "SnatcherCatcher"	11/776,144	11-Jul-2007
	Rotary Push Button For Automotive Applications	11/710,602	23-Feb-2007
	Correlation Based Control Element Tests	11/761,786	12-Jun-2007
	Method To Realize Long FIR Filter In A Flexible Way, Utilizing The Partitioned Fast Convolution (=PFC)	11/775,690	10-Jul-2007
	Updateable Navigation Database	11/971,548	09-Jan-2008
	Phonetic Repeat Of Recorded Vehicle Settings before	12/241,837	30-Sep-2008
	Automatic Calibration Of A Headphone Tracking System	11/972,466	10-Jan-2008

	"Commuter-Modus" In All Navigation Systems In Conjunction With TMC	11/874,802	18-Oct-2007
	Printed Coil PCB With Straight Winding	11/873,688	17-Oct-2007
	Printed Coil PCB With Combined Tilt-Focus Winding	11/951,103	05-Dec-2007
	Fusion Of 2b And 3d Camaras For Driver Assistance	11/844,890	24-Aug-2007
	Sensor Assisted Video Compression	11/873,051	16-Oct-2007
	Improvement Of Image Recognition Accuracy	11/849,641	04-Sep-2007
	Quantification Of Auditory Source With Indicated By Binaural Neural Activity Through Adaptation Of A Binaural Localization-Model	12/034,404	20-Feb-2008
	Quantification Of Listener Envelopment As Characteristics Of Binaural Neural Activity By Extension Of A Binaural Localization-Model	12/032,386	15-Feb-2008
	Distributed Vehicle Infotainment System	12/016,623	18-Jan-2008
	Distributed Vehicle Infotainment System	12/025,474	04-Feb-2008
	Distributed Vehicle Infotainment System	12/027,040	06-Feb-2008
	Display Of Travel Times In A Navigation System	11/939,474	13-Nov-2007

	Augmenting Video Images For Driver Assistance With Artifical But Native Elements	11/941,643	16-Nov-2007
	Low Latency Video Transmission Using Scattered Processing	11/950,350	04-Dec-2007
	Sensor Generated Real Time Environment Model For Vehicles	12/416,030	31-Mar-2009
	Coupled Outputs In Synchronized Pulsed Electronic Circuits	12/047,895	13-Mar-2008
	Multi-Phase-Routing	12/115,445	05-May-2008
	Combination Of An Active-Noise-Control (ANC) System With A Bass-Management-System (BMS)	12/240,523	29-Sep-2008
	Active Noise Control System With Improved Convergence	12/483.661	12-Jun-2009
	Data Network With Time Synchronization Mechanism	12/244,744	02-Oct-2008
	Pluggable Screening For Electronic Components	12/359,988	26-Jan-2009
	Optimized Text Input Speller	12/030,631	13-Feb-2008
	Adaptive-Bass-Management-System (ABMS)	12/396,145	03-Mar-2009
	Roller With Horizontal Push Function	12/106,923	21-Apr-2008
	Automatic Calibration Of Hands-Free Telephone	12/202,129	29-Aug-2008

	Systems That Have A Connection To Different Mobile Phones Without Using An External Service		
	Radio Receiver For Hybrid Broadcast Systems	12/013,333	11-Jan-2008
	Acoustical And Multi-Modal Presentation Method For Automotive Driver Assistance Applications	12/168,345	07-Jul-2008
	Vehicle Driver Assistance System With Hands-Free Operation Mode	12/118,661	09-May-2008
	Headphones via RFI (=Radio Frequenz Identification) Technology	12/199,334	27-Aug-2008
	Printed Circuit Board Fiberoptical Transceiver In Surface Mount Technology (SMT)	12/691,731	21-Jan-2010
	Distance Independent Oject Classification For Objects Detection System Using 3D Information	12/184,977	01-Aug-2008
	PND Radio With Recording Operation	12/112,934	30-Apr-2008
	Method For Multi-Channel System Identification In Active Noise Control Systems With Guaranteed Quality And Flexible Measurement Signal Generation	12/696,862	29-Jan-2010
	Integrated Modulated Driving Light	12/188,425	08-Aug-2008
	Optical Calibration For A	12/168,587	07-Jul-2008

	Head Tracking System		
	Multi Carrier Modulation	12/262,891	31-Oct-2008
	TMC, Advanced TMC Servicefunction	12/253,355	17-Oct-2008
	Phases Corrected Mixing Of Signals	12/269,391	12-Nov-2008
	In Car Loudspeaker Fabricated Assembly Having A Folded Tube With Vents	12/238,033	25-Sep-2008
	Intelligent Destination Settings: Best Routes - New Information in BLUE	12/350,085	07-Jan-2009
	Fixation Of A Loudspeaker Without Screws	12/463,820	11-May-2009
	Visualisation Of Historie Traffic Pattern Data On A Navigation Device	12/561,031	16-Sep-2009
	Optimization Of A Navigation Route With respect To Energy Efficency	12/488,386	19-Jun-2009
	Improved Route Guidance For Pre-Defined Routes	12/405,098	16-Mar-2009
	Model Based Storage Of Traffic Patterns	12/407,668	19-Mar-2009
	Load Detection In Multi-Load Systems	12/431,368	28-Apr-2009
	Self-Adjusting Audio Signal Mixing	12/403,306	12-Mar-2009
	Environment Identification Based On	12/699,230	03-Feb-2010

	A Two-Step Framework		
	Fast Control Of Unregulated State Variables In Switch-Mode Power Circuits	12/512,648	30-Jul-2009
	Fluid Cooling Integrated In The Chassis	12/605,307	23-Oct-2009
	Method To Realize A Multicomplementary Filterbank In An Efficient Way By Utilizing IIR Filter	12/633,425	08-Dec-2009
	Model-Based Analysis Of Car Physics	12/708,400	18-Feb-2010
	Improved Dynamic Selection In Radio Tuners	12/777,153	10-May-2010
	System For Suppressing Noise Of Network Access Devices	12/727,045	18-Mar-2010
	Navigaton Information To Aid Input Systems	12/693,392	25-Jan-2010
	Fast Booting Computer Platform	12/722,468	11-Mar-2010
	AGC-Signal Monitoring	11/541,916	02-Oct-2006
	Storing Of Digital Audio Data	09/648778	28-Aug-2000
	Simultaneous Decoding/Storing Of Digital Audio Data	09/648,412	25-Aug-2000
	Transmission Of Compressed Video Data And Non Compressed Audio Data	09/890,315	20-Jan-2000
	Processing Different	09/748702	21-Dec-2000

	Graphic Data		
	Network With A Single Bit Stream Decoder	10/009,385	19-Feb-2000
	Digital Transcoder System	09/762290	27-Sep-2000

I.   Trademarks

Registered Owner	Mark	Registration Number
None.		

II.   Trademark Applications

Registered Owner	Mark	Registration Number
None.		