

# TRADEMARK ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	Security Agreement		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED		03/31/2009	CORPORATION: DELAWARE
Becker Service-und Verwaltung GmbH		03/31/2009	GmbH: GERMANY
Crown Audio, Inc.		03/31/2009	CORPORATION: DELAWARE
Harman Becker Automotive Systems (Michigan), Inc.		03/31/2009	CORPORATION: DELAWARE
Harman Becker Automotive Systems Holding GmbH		03/31/2009	GmbH: GERMANY
Harman Becker Automotive Systems, Inc.		03/31/2009	CORPORATION: DELAWARE
Harman Consumr Group, Inc.		03/31/2009	CORPORATION: DELAWARE
Harman Deutschland GmbH		03/31/2009	GmbH: GERMANY
Harman Financial Group LLC		03/31/2009	LIMITED LIABILITY COMPANY: DELAWARE
Harman Holding GmbH & Co. KG		03/31/2009	GmbH & Co. KG: GERMANY
Harman Music Group, Incorporated		03/31/2009	CORPORATION: DELAWARE
Harman Software Technology Internationa Beteiligungs GmbH		03/31/2009	GmbH: GERMANY
Harman Software Technology Management GmbH		03/31/2009	GmbH: GERMANY
HBAS International GmbH		03/31/2009	GmbH: GERMANY
HBAS Manufacturing, Inc.		03/31/2009	CORPORATION: DELAWARE
innovative systems GmbH Navigation-Multimedia		03/31/2009	GmbH: GERMANY
JBL Incorporated		03/31/2009	CORPORATION: DELAWARE
Lexicon, Incorporated		03/31/2009	CORPORATION: MASSACHUSETTS
MARGI Systems, Inc.		03/31/2009	CORPORATION: CALIFORNIA
QNX Software Systems (Wavemakers), Inc.		03/31/2009	CORPORATION: CANADA
QNX Software Systems Canada			

OP \$5115.00 78579588

900133676

TRADEMARK  
 REEL: 003984 FRAME: 0253

Corporation		03/31/2009	CORPORATION: CANADA
QNX Software Systems Co.		03/31/2009	CORPORATION: CANADA
QNX Software Systems GmbH		03/31/2009	GmbH: GERMANY
QNX Software Systems GmbH & Co. KG		03/31/2009	GmbH & Co. KG: GERMANY
QNX Software Systems International Corporation		03/31/2009	CORPORATION: CANADA
QNX Software Systems, Inc.		03/31/2009	CORPORATION: CALIFORNIA
XS Embedded GmbH (f/k/a Harman Becker Media Drive Technology GmbH)		03/31/2009	GmbH: GERMANY

#### 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
Entity Type:	Association: UNITED STATES

#### PROPERTY NUMBERS Total: 204

Property Type	Number	Word Mark
Serial Number:	78579588	HARMAN/KARDON
Serial Number:	78731995	BECKER TRAFFIC ASSIST
Serial Number:	78732029	BECKER TRAFFIC ASSIST PRO
Serial Number:	77542654	GREENEDGE
Serial Number:	77633836	DRIVERACK
Serial Number:	77502423	HARDWIRE
Serial Number:	77410818	HARMONYMAN
Serial Number:	77376828	HIQNET
Serial Number:	77634856	MARK LEVINSON
Serial Number:	78691304	
Serial Number:	77278175	AVIAGE
Serial Number:	77019831	JBL
Serial Number:	77020235	JBL
Serial Number:	77019780	JBL
Serial Number:	77019794	JBL
Serial Number:	77019749	JBL

Serial Number:	77019720	JBL
Registration Number:	2499066	BASSLINK
Registration Number:	1409283	INFINITY
Registration Number:	1385113	INFINITY
Registration Number:	2446701	INTERMEZZO
Registration Number:	1130709	
Registration Number:	1994159	OUTRIGGER
Registration Number:	2475906	PLUS ONE
Registration Number:	2523169	R.A.B.O.S.
Registration Number:	2050663	GRAND TOURING
Registration Number:	1494051	INFINITY
Registration Number:	2166304	BCA
Registration Number:	1628028	COM-TECH
Registration Number:	1137593	CROWN
Registration Number:	1241893	CROWN
Registration Number:	1689943	CROWN
Registration Number:	2791471	CROWN AUDIO
Registration Number:	1140244	
Registration Number:	1747700	DATAFRAME
Registration Number:	2979406	DBC
Registration Number:	1151524	DC 300
Registration Number:	1132609	IOC
Registration Number:	1617393	IQ SYSTEM
Registration Number:	1529417	MACRO-TECH
Registration Number:	1350422	MICRO-TECH
Registration Number:	1229018	MULTI-MODE
Registration Number:	1632187	ODEP
Registration Number:	1351515	PCC
Registration Number:	1379816	PHASE COHERENT CARDIOID
Registration Number:	1227096	PRESSURE ZONE MICROPHONE
Registration Number:	1181962	PZM
Registration Number:	1623481	SASS
Registration Number:	2427814	ULTRA-TECH
Registration Number:	1704166	VZ
Registration Number:	1486816	DIFFEROID

Registration Number:	2108109	IQ
Registration Number:	1478359	P.I.P.
Registration Number:	1442930	POWER BASE-1
Registration Number:	3538619	HARMAN KARDON
Registration Number:	0700449	CITATION
Registration Number:	3087064	EZSET
Registration Number:	3245376	EZSET/EQ
Registration Number:	3087065	EZSET+
Registration Number:	1166266	HARMAN/KARDON
Registration Number:	1552645	HARMAN/KARDON
Registration Number:	1546807	HI
Registration Number:	1377965	HK
Registration Number:	2406957	POWER FOR THE DIGITAL REVOLUTION
Registration Number:	2308718	TAKE CONTROL
Registration Number:	2929086	BECKER
Registration Number:	2970922	BECKER
Registration Number:	2222980	BECKER AUTOMOTIVE SYSTEMS
Registration Number:	2711010	INFINITY SOUND REWARDS
Registration Number:	1135631	OXFORD
Registration Number:	2732489	TRAFFICPRO
Registration Number:	2503475	HARMAN INTERNATIONAL
Registration Number:	1794712	HI
Registration Number:	2623517	AUDIODNA
Registration Number:	1320432	DBX
Registration Number:	2915049	DIGIDELAY
Registration Number:	1581245	DIGITECH
Registration Number:	2919297	DIGITECH WHAMMY
Registration Number:	2776877	DIGIVERB
Registration Number:	1581244	DOD
Registration Number:	2757531	GENEDIT
Registration Number:	2796053	GENETX
Registration Number:	2735693	GNX
Registration Number:	2731674	GNX3
Registration Number:	2731673	GNX3
Registration Number:	2807478	GRUNGE

Registration Number:	2949492	GUITAR WORKSTATION
Registration Number:	3406616	Q HIQNET
Registration Number:	1869340	JAM MAN
Registration Number:	2854959	LOGIC7 UPMIX
Registration Number:	2745228	MAIN SQUEEZE
Registration Number:	2993565	MINIDRIVE
Registration Number:	2799206	MULTI CHORUS
Registration Number:	2396126	PEAKPLUS
Registration Number:	2919863	PRO TRACKS
Registration Number:	1884253	S-DISC
Registration Number:	2801375	SYNTH WAH
Registration Number:	2472300	TALKER
Registration Number:	2726030	TONE DRIVER
Registration Number:	2801374	TURBO FLANGE
Registration Number:	2250061	TYPE III
Registration Number:	2265325	TYPE IV
Registration Number:	2665018	VOCALIST
Registration Number:	3134146	X-SERIES
Registration Number:	3395779	ZONEPRO
Registration Number:	2547937	AUTOWARMTH
Registration Number:	2016964	BSS
Registration Number:	1032613	DBX
Registration Number:	2036492	DBX
Registration Number:	1148795	OVEREASY
Registration Number:	2152801	PEAKSTOPPLUS
Registration Number:	2106748	SOUNDWEB
Registration Number:	2470743	BASS OPTIMIZATION SYSTEM
Registration Number:	2574174	CMMD
Registration Number:	1613622	EMIT
Registration Number:	1628149	ERS
Registration Number:	2925712	INFINITY
Registration Number:	2929639	INFINITY
Registration Number:	1130710	INFINITY
Registration Number:	2867896	INFINITY BETA
Registration Number:	1385112	

Registration Number:	2846757	INFINITY PRIMUS
Registration Number:	1698844	KAPPA
Registration Number:	2960882	KAPPA PERFECT
Registration Number:	3058130	KAPPA PERFECT
Registration Number:	2849609	M3D
Registration Number:	2880299	MMD
Registration Number:	1628148	MODULUS
Registration Number:	2887650	PLUS ONE +
Registration Number:	2234474	PRELUDE
Registration Number:	2915241	INFINITY TOTAL SOLUTIONS
Registration Number:	2872845	TOTAL SOLUTIONS
Registration Number:	1842812	AUDIOACCESS
Registration Number:	1576056	BI-RADIAL
Registration Number:	2921042	JBL BASS Q
Registration Number:	2724996	JBL SOUNDGEAR
Registration Number:	2853443	JBL SYNTHESIS
Registration Number:	2210832	POWER SERIES
Registration Number:	2824377	SONOGLASS
Registration Number:	2579310	SOUNDPOINT
Registration Number:	1378917	SYNTHESIS
Registration Number:	2082469	HOW TO LISTEN
Registration Number:	0782327	JBL
Registration Number:	1769777	AUDIO DIGITAL
Registration Number:	1167108	CABARET
Registration Number:	1613674	CONTROL
Registration Number:	2173406	INVISIBALL
Registration Number:	3002530	JBL DRIVEPACK
Registration Number:	3002531	JBL PLYMAX
Registration Number:	2825538	NEODYMIUM DIFFERENTIAL DRIVE NDD
Registration Number:	2908989	PRECISION DIRECTIVITY
Registration Number:	2828208	RADIATION BOUNDARY INTEGRATOR
Registration Number:	2472301	SCREENARRAY
Registration Number:	2812838	SOUNDFACTOR
Registration Number:	2446850	SOUNDZONE
Registration Number:	2754979	VERTEC

Registration Number:	2887452	WEATHERMAX
Registration Number:	2018236	EON
Registration Number:	2140874	THERMOMASTER
Registration Number:	2099835	TOTAL THERMAL MANAGEMENT SYSTEM
Registration Number:	2698186	LOGIC7
Registration Number:	2730807	LARES
Registration Number:	2643786	LEXICHIP
Registration Number:	1155393	LEXICON
Registration Number:	2858235	LOGIC 7
Registration Number:	2177392	LOGIC 7
Registration Number:	1534121	MADRIGAL
Registration Number:	1143174	MARK LEVINSON
Registration Number:	1218242	MARK LEVINSON
Registration Number:	1130740	MARK LEVINSON
Registration Number:	1218241	MARK LEVINSON
Registration Number:	1135630	OXFORD
Registration Number:	2253360	DVD-TO-GO
Registration Number:	2251319	TV-TO-GO
Registration Number:	2696773	CREATURE
Registration Number:	3495979	DUET
Registration Number:	3107521	JBL ENCOUNTER
Registration Number:	3027602	JBL ON STAGE
Registration Number:	3121896	JBL ON TIME
Registration Number:	3026171	JBL ON TOUR
Registration Number:	3397212	JBL ON STAGE
Registration Number:	3175423	JBL ON TOUR
Registration Number:	2453914	SOUNDSTICKS
Registration Number:	3642406	
Registration Number:	2703866	PHATBOX
Registration Number:	2656105	PHATNOISE
Registration Number:	2625630	PHATNOISE
Registration Number:	3121064	BUILD A MORE RELIABLE WORLD
Registration Number:	2937639	MOMENTICS
Registration Number:	2160457	PHOTON
Registration Number:	2542411	QNX

Registration Number:	1338949	QNX
Registration Number:	2065648	NEUTRINO
Registration Number:	2025191	PHOTON MICROGUI
Registration Number:	1954518	QNX
Registration Number:	2602354	JBL
Registration Number:	3389444	JBL
Registration Number:	0861616	JBL
Registration Number:	0880890	JBL
Registration Number:	0873423	JBL
Registration Number:	0803793	
Registration Number:	3487465	VENUE
Registration Number:	2049652	DIFFERENTIAL DRIVE
Registration Number:	0883096	JBL

#### 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:	34337
NAME OF SUBMITTER:	Penelope J.A. Agodoa
Signature:	/pja/
Date:	05/08/2009

Total Attachments: 51

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**RECORDATION FORM COVER SHEET  
TRADEMARKS 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):**

HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED

- ☐ Individual(s) ☐ Association  
☐ General Partnership ☐ Limited Partnership  
☒ Corporation- State: Delaware  
☐ Other \_\_\_\_\_

Citizenship (see guidelines) \_\_\_\_\_

Additional names of conveying parties attached? ☒ Yes ☐ No

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

Execution Date(s) March 31, 2009

- ☐ Assignment ☐ Merger  
☒ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Additional names, addresses, or citizenship attached? ☐ Yes ☐ No

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

Internal

Address: \_\_\_\_\_

Street Address: 270 Park Avenue

City: New York

State: New York

Country: USA Zip: 10017

- ☒ Association Citizenship \_\_\_\_\_  
☐ General Partnership Citizenship \_\_\_\_\_  
☐ Limited Partnership Citizenship \_\_\_\_\_  
☐ Corporation Citizenship \_\_\_\_\_  
☐ Other \_\_\_\_\_ Citizenship \_\_\_\_\_

If assignee is not domiciled in the United States, a domestic representative designation is attached: ☐ Yes ☐ No  
(Designations must be a separate document from assignment)

**4. Application number(s) or registration number(s) and identification or description of the Trademark.**

A. Trademark Application No.(s)

Please see attached schedule.

B. Trademark Registration No.(s)

Please see attached schedule.

Additional sheet(s) attached? ☒ Yes ☐ No

C. Identification or Description of Trademark(s) (and Filing Date if Application or Registration Number is unknown):

**5. Name & address of party 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 registrations involved:**

205

**7. Total fee (37 CFR 2.6(b)(6) & 3.41) \$** \_\_\_\_\_

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed

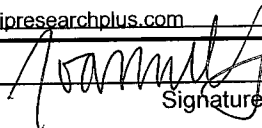
**8. Payment Information:**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**



Signature

Joanne Kang

Name of Person Signing

4/9/09

Date

Total number of pages including cover sheet, attachments, and document:

52

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, VA 22313-1450

PATENT AND TRADEMARK SECURITY AGREEMENT dated as of March 31, 2009 (this "Agreement"), among Harman International Industries, Incorporated (the "Company"), the Subsidiaries listed on Schedule I hereto (the "Subsidiary Grantors" and, collectively with the Company, the "Grantors") and JPMORGAN CHASE BANK, N.A. ("JPMCB"), as Administrative Agent.

Reference is made to (a) 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 Company, Harman Holding GmbH & Co. KG (the "Additional Borrower"), the Lenders party thereto, the other parties thereto and JPMCB, as Administrative Agent and (b) 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 the Company, The Additional Borrower, the Subsidiaries of the Company party thereto and JPMCB, as Administrative Agent (in such capacity, the "Administrative Agent"). The Extended Tranche Lenders have agreed (i) to make certain accommodations under the Credit Agreement and (ii) to continue to extend credit to the Company and the Additional Borrower subject to the terms and conditions set forth in the Credit Agreement. The Grantors have entered into this Agreement in order to induce the Extended Tranche Lenders to make such accommodations and to continue to extend such credit. The Subsidiary Grantors are Affiliates of the Company, will derive substantial benefits from such accommodations under the Credit Agreement and the continued extension of credit to the Company and the Germany Borrower pursuant to the Credit Agreement and are willing to execute and deliver this Agreement in order to induce the Extended Tranche Lenders to make such accommodations under the Credit Agreement and to continue to extend such credit. Accordingly, the parties hereto agree as follows:

SECTION 1. Terms. Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Collateral Agreement. The rules of construction specified in subsections 1.2 and 1.3 of the Credit Agreement also apply to this Agreement, mutatis mutandis.

SECTION 2. Grant of Security Interest. As security for the payment or performance, as the case may be, in full of (i) the Secured Obligations, each US Grantor and (ii) the Foreign Secured Obligations, each Foreign 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 such Grantor or in which such 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 II;

(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 III;

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

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

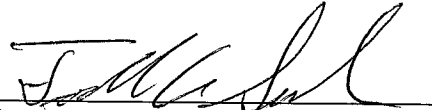
SECTION 3. Collateral Agreement. The security interests granted to the Administrative Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Administrative Agent pursuant to the Collateral Agreement. Each Grantor hereby acknowledges and affirms that the 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.

SECTION 4. Governing Law. This Agreement shall be construed in accordance with and governed by the law of the State of New York, excluding conflicts of law principles.

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

HARMAN INTERNATIONAL  
INDUSTRIES, INCORPORATED,

by

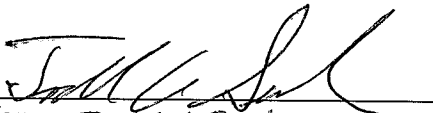


Name: *Todd A Suko*

Title: *VP, General Counsel & Secretary*

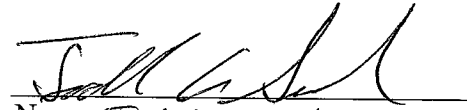
CROWN AUDIO, INC.,

by

  
Name: Todd A Suko  
Title: VP & Secretary

HARMAN BECKER AUTOMOTIVE  
SYSTEMS, INC.,

by

A handwritten signature in black ink, appearing to read "Todd A. Suko", written over a horizontal line.

Name: Todd A Suko

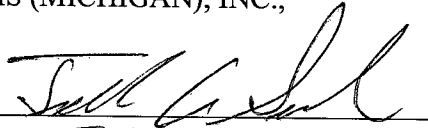
Title: VP & Secretary

*Signature page to the Harman Patent & Trademark Security Agreement*

**TRADEMARK**  
**REEL: 003984 FRAME: 0267**

HARMAN BECKER AUTOMOTIVE  
SYSTEMS (MICHIGAN), INC.,

by

  
Name: Todd A Suko  
Title: VP & Secretary

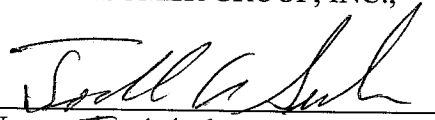
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TRADEMARK  
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HARMAN CONSUMER GROUP, INC.,

by

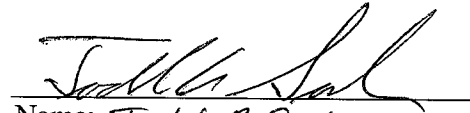


Name: Todd A Suko

Title: VP & Secretary

HARMAN FINANCIAL GROUP LLC,

by

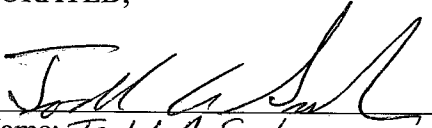
A handwritten signature in black ink, appearing to read "Todd A. Suko", written over a horizontal line.

Name: Todd A Suko

Title: VP & Secretary

HARMAN MUSIC GROUP,  
INCORPORATED,

by

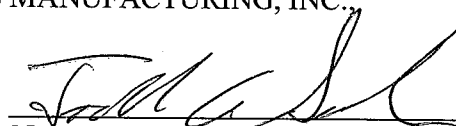
  
Name: Todd A Suko  
Title: VP & Secretary

*Signature page to the Harman Patent & Trademark Security Agreement*

TRADEMARK  
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HBAS MANUFACTURING, INC.,

by



Name: Todd A Suiko

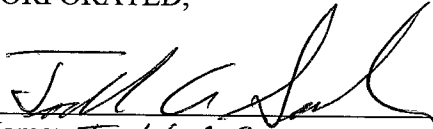
Title: VP & Secretary

*Signature page to the Harman Patent & Trademark Security Agreement*

TRADEMARK  
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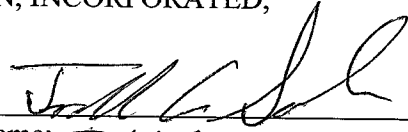
JBL INCORPORATED,

by

  
Name: *Todd A Suko*  
Title: *VP & Secretary*

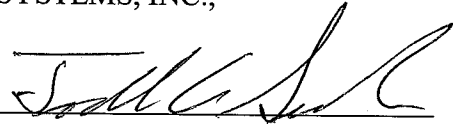
LEXICON, INCORPORATED,

by

  
Name: *Todd A Suko*  
Title: *VP & Secretary*

MARGI SYSTEMS, INC.,

by



Name: Todd A. Suko

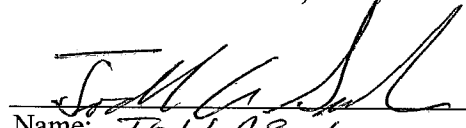
Title: VP & Secretary

*Signature page to the Harman Patent & Trademark Security Agreement*

TRADEMARK  
REEL: 003984 FRAME: 0275

QNX SOFTWARE SYSTEMS, INC.

by

  
Name: *Tad A Suto*  
Title: *VP & Secretary*

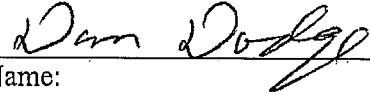
*Signature page to the Harman Patent & Trademark Security Agreement*

**TRADEMARK**  
**REEL: 003984 FRAME: 0276**



QNX SOFTWARE SYSTEMS CO.

by



Name:

Title:

*Signature page to the Harman Patent & Trademark Security Agreement*

QNX SOFTWARE SYSTEMS  
INTERNATIONAL CORPORATION,

by

Don Dodge

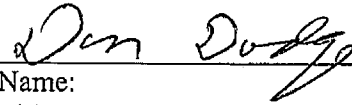
Name:

Title:

*Signature page to the Harman Patent & Trademark Security Agreement*

QNX SOFTWARE SYSTEMS CANADA  
CORPORATION,

By



Name:

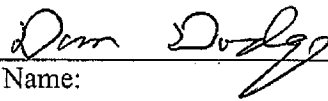
Title:

*Signature page to the Harman Patent & Trademark Security Agreement*

**TRADEMARK**  
**REEL: 003984 FRAME: 0279**

QNX SOFTWARE SYSTEMS  
(WAVEMAKERS), INC.,

by

  
Name:

Title:

*Signature page to the Harman Patent & Trademark Security Agreement*

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

By



Name: Jules Panno  
Title: Vice President

[[3133604]]

<b>COMPANY</b>	<b>JURISDICTION</b>	<b>TYPE OF ORGANIZATION</b>
Becker Service-und Verwaltung GmbH	Germany	GmbH
Crown Audio, Inc.	Delaware	Corporation
Harman Becker Automotive Systems (Michigan), Inc.	Delaware	Corporation
Harman Becker Automotive Systems Holding GmbH	Germany	GmbH
Harman Becker Automotive Systems, Inc.	Delaware	Corporation
Harman Consumer Group, Inc.	Delaware	Corporation
Harman Deutschland GmbH	Germany	GmbH
Harman Financial Group LLC	Delaware	LLC
Harman Holding GmbH & Co. KG	Germany	GmbH & Co. KG
Harman Music Group, Incorporated	Delaware	Corporation
Harman Software Technology International Beteiligungs GmbH	Germany	GmbH
Harman Software Technology Management GmbH	Germany	GmbH
HBAS International GmbH	Germany	GmbH
HBAS Manufacturing, Inc.	Delaware	Corporation
innovative systems GmbH Navigation-Multimedia	Germany	GmbH
JBL Incorporated	Delaware	Corporation
Lexicon, Incorporated	Massachusetts	Corporation
MARGI Systems, Inc.	California	Corporation
QNX Software Systems (Wavemakers), Inc.	Canada	Corporation
QNX Software Systems Canada Corporation	Canada	Corporation
QNX Software Systems Co.	Canada	Corporation
QNX Software Systems GmbH	Germany	GmbH
QNX Software Systems GmbH & Co. KG	Germany	GmbH & Co. KG
QNX Software Systems International Corporation	Canada	Corporation
QNX Software Systems, Inc.	California	Corporation
XS Embedded GmbH (f/k/a Harman Becker Media Drive Technology GmbH)	Germany	GmbH

Schedule II to  
the Patent and Trademark  
Security Agreement

## U.S. PATENTS

### I. Patents

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Transducer Housing	D451087	27-Nov-2015
Harman International Industries, Incorporated	Portion of an Audio Component	D466,107	26-Nov-2016
Harman International Industries, Incorporated	Portion of an Audio Component	D465,474	12-Nov-2016
Harman International Industries, Incorporated	Microphone	D494,960	24-Aug-2018
Harman International Industries, Incorporated	Loudspeaker	D504,415	26-Apr-2019
Harman International Industries, Incorporated	Loudspeaker	D503,933	12-Apr-2019
Harman International Industries, Incorporated	Audio Component	D499716	14-Dec-2018
Harman International Industries, Incorporated	Loudspeaker Cover	D519495	25-Apr-2020
Harman International Industries, Incorporated	Speaker Housing	D585,882	03-Feb-2023
Harman International Industries, Incorporated	Loudspeaker Housing	D583,803	30-Dec-2022
Harman International Industries, Incorporated	Loudspeaker Crossover	D584,714	13-Jan-2023
Harman International Industries, Incorporated	Compact Vehicular Loudspeaker With Dual-Standard Mounting System	6,505,705	27-Jul-2020
Harman International Industries, Incorporated	System And Method Of Producing Direct Audio From A Power Supply	6,392,476	14-Apr-2018
Harman International Industries, Incorporated	Loudspeaker System With Extended Bass Response	7158648	15-Jul-2023
Harman International Industries, Incorporated	Twist-Lock-Mountable Versatile Loudspeaker Mount	5,867,583	28-Mar-2017
Harman International Industries, Incorporated	Audio Speaker Having Rotatable Tweeter	6,002,780	06-Jul-2018
Harman International Industries, Incorporated	Advanced Sleep Timer	7,437,578	08-Nov-2026
Harman International Industries, Incorporated	Portion of an Audio Component Cover	D480,071	30-Sep-2017
Harman International Industries, Incorporated	Audio Component Front Face	D497,906	02-Nov-2018
Harman International Industries, Incorporated	Audio Component Face Plate	D483,753	16-Dec-2017
Harman International Industries, Incorporated	Audio Component Front Face	D498,233	09-Nov-2018
Harman International Industries, Incorporated	Audio Component Front Face	D540,787	17-Apr-2021
Harman International Industries, Incorporated	Audio Component Front Face	D536,699	13-Feb-2021
Harman International Industries, Incorporated	Audio Component Front Face	D529479	03-Oct-2020
Harman International Industries, Incorporated	Audio Component Face	D559,242	08-Jan-2022
Harman International Industries, Incorporated	Audio Component Front Face	D573592	22-Jul-2022
Harman International Industries, Incorporated	Audio Component Front Face	D558,194	25-Dec-2021
Harman International Industries, Incorporated	Audio Component Front Face	D558,195	25-Dec-2021
Harman International Industries, Incorporated	Audio Component Front Face	D584,723	13-Jan-2023
Harman International Industries, Incorporated	Front Panel for an Audio Amplifier	D394,858	02-Jun-2012

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Remote Sensing By High-Order Filtering	6,504,348	29-Dec-2020
Harman International Industries, Incorporated	Active Isolated-Integrator Low Pass Filter With Attenuation Poles	6,909,321	26-Dec-2020
Harman International Industries, Incorporated	Half-Bridge Gate Driver Optimized For Hard-Switching	6,556,053	06-Feb-2022
Harman International Industries, Incorporated	Digital Signal Processor Enhanced Pulse Width Modulation Amplifier	6,683,494	26-Mar-2022
Harman International Industries, Incorporated	Thermal Protection System For An Output Stage Of An Amplifier	6,927,626	19-Aug-2023
Harman International Industries, Incorporated	Opposed Current Converter Power Factor Correcting Power Supply	6,949,915	07-Sep-2023
Harman International Industries, Incorporated	Series Interleaved Boost Converter Power Factor Correcting Power Supply	7,403,400	01-Mar-2024
Harman International Industries, Incorporated	Current Feedback System For Improving Crossover Frequency	7,321,661	09-Sep-2024
Harman International Industries, Incorporated	Current Controlled Switch Mode Power Supply	7,283,379	10-Mar-2026
Harman International Industries, Incorporated	Heat Sink With Twist Lock Mounting Mechanism	7,394,658	01-Sep-2025
Harman International Industries, Incorporated	Grounded Bridge Amplifier Protection Through Transistor Thermo Protection	4,611,180	09-Jan-2005
Harman International Industries, Incorporated	Method Of Fault Sensing For Power Amplifiers Having Coupled Power Stages With Normally Alternate Current Flow	4,644,288	09-Jan-2005
Harman International Industries, Incorporated	Simulated Binaural Recording	4,658,932	18-Feb-2006
Harman International Industries, Incorporated	Switchable DC Power Supply With Increased Efficiency For Use In Large Wattage Amplifiers	4,788,452	22-Jun-2007
Harman International Industries, Incorporated	Amplifier Control System	5,015,969	11-Dec-2009
Harman International Industries, Incorporated	Sixteen Level Power Supply With Asynchronous Controller	5,045,990	03-May-2010
Harman International Industries, Incorporated	Audio Multiplexer	5,309,517	23-Dec-2012
Harman International Industries, Incorporated	Power Supply Modulator Circuit For Transmitter	5,345,198	10-Jun-2013
Harman International Industries, Incorporated	Sixteen Level Power Supply With Asynchronous Controller	5,276,603	06-Jan-2013
Harman International Industries, Incorporated	Independent Amplifier Control Module	5,500,626	11-Oct-2014
Harman International Industries, Incorporated	Slew Rate Control In A Multi-Level Switch	5,438,503	01-Aug-2012
Harman International Industries, Incorporated	Programmable Central Intelligence Controller And Distributed Intelligence Network For Analog/Digital Control Systems	5,862,401	11-Oct-2014
Harman International Industries, Incorporated	Switch-Mode Power Supply For Bridged Linear Amplifier	5,513,094	27-Mar-2015
Harman International Industries, Incorporated	Opposed Current Power Converter	5,657,219	29-Aug-2015
Harman International Industries, Incorporated	Light Sensitive Switch With Microphone	5,805,717	29-Dec-2015



Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Dual Mode Gradient Coil System	6,201,395	29-Jun-2018
Harman International Industries, Incorporated	Generalized Method Of Paralleling Voltage Amplifiers	6,297,975	10-Jun-2019
Harman International Industries, Incorporated	Circulating Current Sensing Device For Amplifiers	6,741,483	13-Nov-2018
Harman International Industries, Incorporated	Apparatus And Method For Soft Switching Of Parallel Switch Assemblies	6,608,767	01-Sep-2020
Harman International Industries, Incorporated	Apparatus And Method For Soft Switching Of Parallel Switch Assemblies	6,426,883	14-Sep-2020
Harman International Industries, Incorporated	High Performance Current Sensor Using Low-Cost Current Transformer Arrays	6,531,862	12-Mar-2021
Harman International Industries, Incorporated	Method And Apparatus For Use In Processing Signals	4,591,928	20-May-2005
Harman International Industries, Incorporated	Surround Having a Sinoidal Face	D462,341	03-Sep-2016
Harman International Industries, Incorporated	Speaker Housing	D480,382	07-Oct-2017
Harman International Industries, Incorporated	Portion of a Speaker	D467,241	17-Dec-2016
Harman International Industries, Incorporated	Speaker	D460,064	09-Jul-2016
Harman International Industries, Incorporated	Portion of a Speaker	D460,959	30-Jul-2016
Harman International Industries, Incorporated	Box	D466,406	03-Dec-2016
Harman International Industries, Incorporated	Box	D466,804	10-Dec-2016
Harman International Industries, Incorporated	Speaker	D461,178	06-Aug-2016
Harman International Industries, Incorporated	Speaker Housing	D464,334	15-Oct-2016
Harman International Industries, Incorporated	Speaker Housing	D484,113	23-Dec-2017
Harman International Industries, Incorporated	Speaker Housing	D465,778	19-Nov-2016
Harman International Industries, Incorporated	Speaker Housing	D462067	27-Aug-2016
Harman International Industries, Incorporated	Speaker Housing	D462068	27-Aug-2016
Harman International Industries, Incorporated	Speaker Housing	D468,291	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D466,494	03-Dec-2016
Harman International Industries, Incorporated	Speaker Grill	D465,779	19-Nov-2016
Harman International Industries, Incorporated	Speaker Housing	D467,900	31-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D468,293	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D467,575	24-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D469,425	28-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D467,576	24-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D468,294	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D467,904	31-Dec-2016
Harman International Industries, Incorporated	Portion of a Speaker Housing	D467,901	31-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D467,902	31-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D470,475	18-Feb-2017
Harman International Industries, Incorporated	Portion of a Speaker Housing	D470,476	18-Feb-2017
Harman International Industries, Incorporated	Speaker Housing	D468,295	07-Jan-2017

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Speaker Housing	D467,903	31-Dec-2016
Harman International Industries, Incorporated	Control Element for a Speaker Housing	D468,298	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D478,566	19-Aug-2017
Harman International Industries, Incorporated	Speaker Housing	D473,858	29-Apr-2017
Harman International Industries, Incorporated	Speaker Housing	D478,567	19-Aug-2017
Harman International Industries, Incorporated	Speaker Housing	D471,530	11-Mar-2017
Harman International Industries, Incorporated	Speaker Housing	D484,488	30-Dec-2017
Harman International Industries, Incorporated	Portion of a Speaker Housing	D471,531	11-Mar-2017
Harman International Industries, Incorporated	Speaker Base	D474,764	20-May-2017
Harman International Industries, Incorporated	Speaker Housing	D471,532	11-Mar-2017
Harman International Industries, Incorporated	Speaker Housing	D471,896	18-Mar-2017
Harman International Industries, Incorporated	Remote Controller	D478,571	19-Aug-2017
Harman International Industries, Incorporated	Speaker Housing	D471,888	18-Mar-2017
Harman International Industries, Incorporated	Speaker Housing	D484,869	06-Jan-2018
Harman International Industries, Incorporated	Speaker Housing	D471,897	18-Mar-2017
Harman International Industries, Incorporated	Speaker Housing	D484,491	30-Dec-2017
Harman International Industries, Incorporated	Speaker Housing	D484,871	06-Jan-2018
Harman International Industries, Incorporated	Speaker Housing	D484,486	30-Dec-2017
Harman International Industries, Incorporated	Speaker Housing	D484,487	30-Dec-2017
Harman International Industries, Incorporated	Speaker Housing	D484,870	06-Jan-2018
Harman International Industries, Incorporated	Speaker Housing	D485,544	20-Jan-2018
Harman International Industries, Incorporated	Portable Loudspeakers	D498,471	16-Nov-2018
Harman International Industries, Incorporated	Audio And Charging Station For A Handheld Electronic Device	D508,458	16-Aug-2019
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D509,183	06-Sep-2019
Harman International Industries, Incorporated	Video Display	D558,159	25-Dec-2021
Harman International Industries, Incorporated	Controller For Playback Device And Display	D568,885	13-May-2022
Harman International Industries, Incorporated	Controller For Playback Device And Display	D558,767	01-Jan-2022
Harman International Industries, Incorporated	Portion Of A Headphone	D531170	31-Oct-2020
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D536665	13-Feb-2021
Harman International Industries, Incorporated	Audio And Docking Station For Handheld Electronic Device	D544,547	12-Jun-2021
Harman International Industries, Incorporated	Audio and Docketing Station for a Handheld Electronic Device	D553,122	16-Oct-2021
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D553,123	16-Oct-2021
Harman International Industries, Incorporated	Portion of an Audio and Docking Station for a Handheld Electronic Device	D552,597	03-Mar-2026

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Loudspeaker Housing	D555,147	13-Nov-2021
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D544,108	30-Oct-2021
Harman International Industries, Incorporated	Speaker Housing	D554,617	06-Nov-2021
Harman International Industries, Incorporated	Speaker Housing	D554,619	06-Nov-2021
Harman International Industries, Incorporated	Loudspeaker Housing	D568,289	06-May-2022
Harman International Industries, Incorporated	Audio And Charging Station For A Handheld Electronic Device	D557,208	11-Dec-2021
Harman International Industries, Incorporated	Audio And Docking Station For A Handheld Electronic Device	D581,905	02-Dec-2022
Harman International Industries, Incorporated	Audio System For Minimizing The Chance That High Power Audio Signals May Be Directed To A Headphone Jack	7110839	29-Apr-2024
Harman International Industries, Incorporated	System And Method For Detecting Failures In A Speaker Assembly	7,043,027	04-Nov-2023
Harman International Industries, Incorporated	Tangential Stress Reduction System In A Loudspeaker Suspension	7,174,990	27-Mar-2021
Harman International Industries, Incorporated	Tangential Stress Reduction System In A Loudspeaker Suspension	6,851,513	27-Mar-2022
Harman International Industries, Incorporated	Tangential Stress Reduction System In A Loudspeaker Suspension	7,438,155	07-Feb-2025
Harman International Industries, Incorporated	Capacitive Touch Switch System For An Audio Device	7106221	01-Sep-2024
Harman International Industries, Incorporated	Steering Of Monaural Sources Of Sound Using Dead Related Transfer Functions	6,611,603	23-Jun-2017
Harman International Industries, Incorporated	Steering Of Monaural Sources Of Sound Using Dead Related Transfer Functions	6,173,061	23-Jun-2017
Harman International Industries, Incorporated	Full Range Loudspeaker	7167573	01-Jul-2019
Harman International Industries, Incorporated	Method And Apparatus For Connecting A Device To A Bus Carrying Power And A Signal	6,178,154	30-Jul-2018
Harman International Industries, Incorporated	Guitar Pedal	D520,553	09-May-2020
Harman International Industries, Incorporated	Portable Electronics Enclosure	D584,700	13-Jan-2023
Harman International Industries, Incorporated	Music Delivery, Control And Integration	6,686,531	27-Jan-2022
Harman International Industries, Incorporated	Musical Effect Customization System	7,026,539	04-Jan-2022
Harman International Industries, Incorporated	System For Customizing Musical Effects Using Digital Signal Processing Techniques	6,664,460	04-Jan-2022
Harman International Industries, Incorporated	Audio Feedback Processing System	7,203,324	27-Aug-2023
Harman International Industries, Incorporated	Effects And Recording System	7,373,210	06-Jan-2025
Harman International Industries, Incorporated	Apparatus For Showing Light At A Distance From A Light Source	5,988,842	03-Oct-2017
Harman International Industries, Incorporated	Amplifier With Noise Reduction	6,124,757	02-Nov-2018

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Analog To Digital Conversion System That Enables High-Level Signal Excursions Without Clipping	6,195,029	25-Sep-2018
Harman International Industries, Incorporated	Companding Noise Reducing System With Simultaneous Encode and Decode	6,556,685	06-Nov-2018
Harman International Industries, Incorporated	Audio Component Face Plate	D479,229	02-Sep-2017
Harman International Industries, Incorporated	Loudspeaker	D494,958	24-Aug-2018
Harman International Industries, Incorporated	Charging Station For An Electronic Device	D530273	17-Oct-2020
Harman International Industries, Incorporated	Portion Of An Audio And Charging Station for A Handheld Electronic Device	D554,583	06-Nov-2021
Harman International Industries, Incorporated	Method of Automatically Adjusting The Sound And Visual Parameters Of A Home Theater System	7095455	05-Mar-2023
Harman International Industries, Incorporated	Portion of a Loudspeaker Housing	D565,027	25-Mar-2022
Harman International Industries, Incorporated	Digital Signal Processing For Symmetrical Stereophonic Imaging In Automobiles	6,876,748	17-Dec-2022
Harman International Industries, Incorporated	Data-Driven Software Architecture For Digital Sound Processing And Equalization	6,804,565	09-Jun-2022
Harman International Industries, Incorporated	Loudspeaker Structure	6,373,957	14-May-2021
Harman International Industries, Incorporated	Core Cap for Loudspeaker	7,400,740	14-Feb-2025
Harman International Industries, Incorporated	Navigation Radio For Fleet Car Usage	6,988,034	26-Jun-2023
Harman International Industries, Incorporated	Mounting Bracket System	7155026	25-Feb-2025
Harman International Industries, Incorporated	Method of Tensioning a Diaphragm for an Electro-Dynamic Loudspeaker	7,278,200	02-May-2023
Harman International Industries, Incorporated	Electrical Connectors For Electro-Dynamic Loudspeakers	7146017	09-Sep-2024
Harman International Industries, Incorporated	Electro-Dynamic Loudspeaker Mounting System	7,149,321	09-Nov-2024
Harman International Industries, Incorporated	Conductors For Electro-Dynamic Loudspeakers	7,236,608	02-May-2023
Harman International Industries, Incorporated	Method Of Assembling A Loudspeaker	7152299	04-Feb-2024
Harman International Industries, Incorporated	Acoustically Enhanced Electro-Dynamic Loudspeakers	7136501	02-May-2023
Harman International Industries, Incorporated	Frequency Response Enhancements For Electro-Dynamic Loudspeakers	7,035,425	14-Sep-2024
Harman International Industries, Incorporated	Magnet Arrangement For Loudspeaker	7,203,332	14-Jan-2024
Harman International Industries, Incorporated	Sound Localization System Based on Analysis of the Sound Field	7,492,908	02-May-2023
Harman International Industries, Incorporated	Surround Detection System	7,499,553	02-May-2023
Harman International Industries, Incorporated	System For Transducer Compensation Based On Ambient Conditions	7,092,536	09-Mar-2024
Harman International Industries, Incorporated	Sound Processing System Using Spatial Imaging Techniques	7,206,413	07-May-2021

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Sound Processing System With Degraded Signal Optimization	7,177,432	13-Feb-2007
Harman International Industries, Incorporated	Sound Processing System Using Distortion Limiting Techniques	7,451,006	07-May-2021
Harman International Industries, Incorporated	Loudspeaker System For Virtual Sound Synthesis	7,336,793	15-Nov-2025
Harman International Industries, Incorporated	Seatback Audio System	6,991,289	31-Jul-2023
Harman International Industries, Incorporated	Seatback Audio Controller	7,466,832	31-Jul-2023
Harman International Industries, Incorporated	Multiple Voice-Coil Cone-Driver	7,024,014	15-Nov-2023
Harman International Industries, Incorporated	Acoustic Lens System	7,316,290	11-Feb-2025
Harman International Industries, Incorporated	Bass Management Systems	7,391,869	23-Sep-2022
Harman International Industries, Incorporated	Speaker Housing	7,274,797	14-Jul-2023
Harman International Industries, Incorporated	Multiple Tuners In A Single Radio Receiver	7,373,123	27-Feb-2024
Harman International Industries, Incorporated	Informed Memory Access For Vehicle Electronic Modules	7,454,273	20-Aug-2024
Harman International Industries, Incorporated	Multiple Tuners In A Single Radio Receiver	7,373,123	27-Feb-2024
Harman International Industries, Incorporated	Informed Memory Access For Vehicle Electronic Modules	7,454,273	20-Aug-2024
Harman International Industries, Incorporated	Sound Processing System For Configuration Of Audio Signals In A Vehicle	7,447,321	07-May-2021
Harman International Industries, Incorporated	Single Element Controlled Parallel-T Audio Network	3,883,832	06-Nov-1992
Harman International Industries, Incorporated	Automotive Sound System HM-2	4,759,065	22-Sep-2006
Harman International Industries, Incorporated	Automotive Sound System	4,809,338	08-Oct-2006
Harman International Industries, Incorporated	Variable Matrix Decoder For Periphonic Reproduction Of Sound	4,932,059	11-Jan-2008
Harman International Industries, Incorporated	Loudspeaker Mounting	4,997,059	18-Dec-2009
Harman International Industries, Incorporated	Adaptive Power Line Noise Filter And Switch For Audio Reproductive Equipment	5,043,686	14-Mar-2009
Harman International Industries, Incorporated	Transducer Enclosure	5,022,488	18-Sep-2009
Harman International Industries, Incorporated	Control Voltage Generator Multiplier And One-Shot For Integrated Surround Sound Processor	5,295,189	01-Dec-2012
Harman International Industries, Incorporated	Control Voltage Generator Multiplier And One-Shot For Integrated Surround Sound Processor	5,504,819	02-Apr-2013
Harman International Industries, Incorporated	Control Voltage Generator Multiplier And One-Shot For Integrated Surround Sound Processor	5,172,415	08-Jun-2010
Harman International Industries, Incorporated	Switching Amplifier	5,428,687	27-Jun-2012
Harman International Industries, Incorporated	Surround Processor With Antiphase Blending And Panorama Control Circuitry	5,307,415	28-Oct-2012
Harman International Industries, Incorporated	Acoustic Transducer For Automotive Noise Cancellation	5,255,321	05-Dec-2010

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Surround Sound Loudspeakers	5,280,528	01-Dec-2012
Harman International Industries, Incorporated	Surround Sound Loudspeakers	5,199,075	14-Nov-2011
Harman International Industries, Incorporated	Surround Sound Loudspeakers	5,301,237	01-Dec-2012
Harman International Industries, Incorporated	Time Constant Processing Curcuit For Sound Processor	5,263,087	14-Nov-2011
Harman International Industries, Incorporated	Vibratory Compressor Actuator	5,231,337	03-Jan-2012
Harman International Industries, Incorporated	Apparatus For Enhancing Monophonic Audio Signals Using Phase Shifters	5,339,363	01-Dec-2012
Harman International Industries, Incorporated	Pulse-Width Modulator To Class D Amplifier	5,160,896	18-Feb-2012
Harman International Industries, Incorporated	Surround Sound Processor With Improved Control Voltage Generator	5,504,819	18-Jul-2014
Harman International Industries, Incorporated	Audio Image Enhancement System	5,400,405	02-Jul-2013
Harman International Industries, Incorporated	Apparatus For Centering And Actuator Coil	5,383,267	07-Sep-2013
Harman International Industries, Incorporated	Sound System Remote Control With Acoustic Sensor	5,386,478	07-Sep-2013
Harman International Industries, Incorporated	Method Of Making A Speaker	6,224,801	01-May-2018
Harman International Industries, Incorporated	Six-Axis Surround Processor With Automatic Balancing And Calibration	5,666,424	24-Apr-2016
Harman International Industries, Incorporated	Surround Sound Processor With Improved Control Voltage Generator	5,644,640	27-Mar-2016
Harman International Industries, Incorporated	Six-Axis Surround Sound Processor With Improved Matrix And Cancellation Control	5,625,696	02-Apr-2013
Harman International Industries, Incorporated	Loudspeaker Spider, Method Of Making It And Loudspeaker Incorporating It	6,269,167	13-Nov-2016
Harman International Industries, Incorporated	Woven Spider For A Loudspeaker	7,082,667	29-Mar-2014
Harman International Industries, Incorporated	Dynamic Stereophonic Enhancement Signal Processing System	5,872,851	19-May-2017
Harman International Industries, Incorporated	Sound System	5,883,961	17-Mar-2017
Harman International Industries, Incorporated	Slotted Diaphragm Loudspeaker	5,883,967	15-Apr-2017
Harman International Industries, Incorporated	Dipole Speaker Headrests	5,887,071	07-Aug-2016
Harman International Industries, Incorporated	Stereo Spatial Enhancement System	5,970,153	16-May-2017
Harman International Industries, Incorporated	Stereophonic Image Enhancement System For Use In Automobiles	6,038,323	17-Nov-2017
Harman International Industries, Incorporated	Power Amplifier And Loudspeaker Frame Integration	6,263,084	13-Mar-2017
Harman International Industries, Incorporated	Mounting Method And Apparatus For Electrical Components	6,266,244	25-Oct-2019
Harman International Industries, Incorporated	Regressively Hinged Spider	6,351,544	10-Dec-2019
Harman International Industries, Incorporated	Loudspeaker Overcurrent Protection	6,665,415	09-Sep-2019
Harman International Industries, Incorporated	Diaphragm Stable Through Hygroscopic Cycling	6,724,910	04-Oct-2019
Harman International Industries, Incorporated	Offset Apex Spider	6,567,528	18-Nov-2019
Harman International Industries, Incorporated	Loudspeaker Spider With Regressive	6,449,375	22-Sep-2019

Registered Owner	Patent	Registration Number	Expiration Date
	Roles		
Harman International Industries, Incorporated	Mounting Clip	D463729	01-Oct-2016
Harman International Industries, Incorporated	Front Portion of Diaphragm	D538,791	20-Mar-2021
Harman International Industries, Incorporated	Speaker Design	D328,899	25-Aug-2006
Harman International Industries, Incorporated	Combined Speaker and Stand Therefore	D328,898	25-May-2006
Harman International Industries, Incorporated	Audio Amplifier Housing	D327,072	16-Jun-2006
Harman International Industries, Incorporated	Speaker	D340,244	12-Oct-2007
Harman International Industries, Incorporated	Case 1 Speak Speaker	D340,245	12-Oct-2007
Harman International Industries, Incorporated	Speaker	D328,462	04-Aug-2006
Harman International Industries, Incorporated	Case 2 Speak Speaker	D336,475	15-Jun-2007
Harman International Industries, Incorporated	Speaker Cabinet	D340,930	02-Nov-2007
Harman International Industries, Incorporated	Amplifier Housing	D343,838	01-Feb-2008
Harman International Industries, Incorporated	Speaker Cabinet	D344,951	08-Mar-2008
Harman International Industries, Incorporated	Loudspeaker Baffle Isolation System	7073624	31-Jul-2023
Harman International Industries, Incorporated	Speaker Enclosure Configured To Minimize Diffraction	6,619,424	29-Sep-2021
Harman International Industries, Incorporated	Speaker Housing Configured To Minimize Standing Waves And Resonate Above The Frequency Range Of Transducers	6,675,932	06-Dec-2021
Harman International Industries, Incorporated	Versatile Speaker Base	6,891,957	07-Sep-2021
Harman International Industries, Incorporated	Crossbar Bracket Assembly For Speakers And Monitors	6,527,237	07-Sep-2021
Harman International Industries, Incorporated	Air Seal System for Loudspeaker	7,341,259	05-Mar-2022
Harman International Industries, Incorporated	Acoustic Transducer With Mechanical Balancing	7,333,620	09-Apr-2024
Harman International Industries, Incorporated	Low Profile Transducer	7,450,729	09-Apr-2024
Harman International Industries, Incorporated	Acoustic Transducer With Folded Diaphragm	7,412,065	09-Apr-2024
Harman International Industries, Incorporated	Waveguide Modeling And Design System	7,197,443	29-Oct-2023
Harman International Industries, Incorporated	Waveguide Modeling And Design System	7,467,071	29-Oct-2023
Harman International Industries, Incorporated	Docking Amplifier Housing Assembly	5,130,891	02-Jan-2011
Harman International Industries, Incorporated	Switching Amplifier	5,218,315	06-Jan-2012
Harman International Industries, Incorporated	Flush-Mount Swivel Tweeter System For Vehicular Audio	5,859,917	04-Aug-2017
Harman International Industries, Incorporated	Integrated Clamping Mechanism	5,930,116	12-Jun-2018
Harman International Industries, Incorporated	Ceramic Metal Matrix Diaphragm For Loudspeakers	6,327,372	05-Jan-2019
Harman International Industries, Incorporated	Ceramic Metal Matrix Diaphragm For Loudspeakers	7,280,668	05-Jan-2019
Harman International Industries, Incorporated	Ceramic Metal Matrix Diaphragm For Loudspeakers	6,404,897	14-Jan-2020
Harman International Industries, Incorporated	Portion of a Loudspeaker	D476,641	01-Jul-2017

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Clock Radio Receiver	D473,210	15-Apr-2017
Harman International Industries, Incorporated	Clock Radio Receiver	D473,209	15-Apr-2017
Harman International Industries, Incorporated	Clock Radio Receiver	D473,208	15-Apr-2017
Harman International Industries, Incorporated	Loudspeaker Housing	D483,350	09-Dec-2017
Harman International Industries, Incorporated	Loudspeaker	D491,918	22-Jun-2018
Harman International Industries, Incorporated	Loudspeaker	D498,746	23-Nov-2018
Harman International Industries, Incorporated	Electronic Device	D500,019	21-Dec-2018
Harman International Industries, Incorporated	Speaker Transducer	D494,959	24-Aug-2018
Harman International Industries, Incorporated	Multi-Mode Ambient Soundstage System	7,454,022	24-Nov-2025
Harman International Industries, Incorporated	Audio Direct From Power Supply	5,986,498	14-Apr-2018
Harman International Industries, Incorporated	Speaker Transducer	D496,353	21-Sep-2018
Harman International Industries, Incorporated	Portion of an Audio Component	D502,170	22-Feb-2019
Harman International Industries, Incorporated	Radiation Boundary Integrator for a Loudspeaker System	D450778	20-Nov-2015
Harman International Industries, Incorporated	Radiation Boundary Integrator for a Loudspeaker System	D450683	20-Nov-2015
Harman International Industries, Incorporated	Acoustical Horn Design for a Loudspeaker	D452,964	15-Jan-2016
Harman International Industries, Incorporated	Speaker Transducer Housing	D483,743	16-Dec-2017
Harman International Industries, Incorporated	Portion of a Speaker Transducer Housing	D483,744	16-Dec-2017
Harman International Industries, Incorporated	Loudspeaker Housing	D568,239	06-May-2022
Harman International Industries, Incorporated	Loudspeaker Housing	D565549	01-Apr-2022
Harman International Industries, Incorporated	Loudspeaker Housing	D568,294	06-May-2022
Harman International Industries, Incorporated	Loudspeaker Enclosure	D379,629	03-Jun-2011
Harman International Industries, Incorporated	Loudspeaker Enclosure (Design)	D393,860	28-Apr-2012
Harman International Industries, Incorporated	Loudspeaker Enclosure	D394,263	12-May-2012
Harman International Industries, Incorporated	Loudspeaker Enclosure	D439237	30-Mar-2015
Harman International Industries, Incorporated	Loudspeaker Enclosure	D439,237	20-Mar-2015
Harman International Industries, Incorporated	High-Frequency Loudspeaker Module For Cinema Screen	6,466,680	25-Jan-2021
Harman International Industries, Incorporated	Mid-Range Loudspeaker	7,027,605	23-Aug-2020
Harman International Industries, Incorporated	Full Range Loudspeaker System For Cinema Screen	6,513,622	23-Aug-2020
Harman International Industries, Incorporated	System And Method For Varying Low Audio Frequencies Inversely With Audio Signal Level	7,016,509	10-Jan-2023
Harman International Industries, Incorporated	Clock System Capable Of Synchronizing Clock Frequencies Of Power Devices And Digital Signal Processing Devices	7043313	29-Jul-2023
Harman International Industries, Incorporated	Two-Stage Phasing Plug System In A Compression Driver	7,072,481	01-Mar-2022
Harman International Industries, Incorporated	Two-Stage Phasing Plug System In A Compression Driver	6,952,874	01-Mar-2022



Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	System For Integrating Mid-Range And High Frequency Acoustic Sources In Multi-Way Loudspeakers	7,134,523	17-Jul-2022
Harman International Industries, Incorporated	Loudspeaker Coil Suspension System	6,801,634	17-Nov-2021
Harman International Industries, Incorporated	Loudspeaker Coil Suspension System	7095869	31-Jul-2020
Harman International Industries, Incorporated	System For Using Digital Signal Processing To Compensate For Power Compression Of Loudspeakers	7,447,318	07-Sep-2021
Harman International Industries, Incorporated	Electromagnetic Motor With Flux Title Stabilization Ring, Saturation Tips, And Radiator	7,012,345 B2	25-Oct-2020
Harman International Industries, Incorporated	Electromagnetic Motor With Flux Stabilization Ring, Saturation Tips And Radiator	7,057,314	25-Oct-2020
Harman International Industries, Incorporated	Electromagnetic Motor With Flux Stabilization Ring, Saturation Tips, And Ra	6,774,510	28-Dec-2020
Harman International Industries, Incorporated	Sound System Having A HF Horn Coaxially Aligned In The Mouth Of A Midrange	7,236,606	02-Jun-2024
Harman International Industries, Incorporated	Thermoset Composite Material For Loudspeaker	7013019	07-Mar-2022
Harman International Industries, Incorporated	Rigging System For Line Array Speakers	7,298,860	25-Mar-2023
Harman International Industries, Incorporated	Polyurethane Foam Cabinets	7096995	17-Jun-2022
Harman International Industries, Incorporated	Horn-Loaded Compression Driver System	7,039,211	01-Nov-2023
Harman International Industries, Incorporated	Arbitrary Coverage Angle Sound Integrator	7,324,654	31-Dec-2022
Harman International Industries, Incorporated	Arbitrary Coverage Angle Sound Integrator	7,333,626	12-Nov-2020
Harman International Industries, Incorporated	Internal Lens System For Loudspeaker Waveguides	7,278,513	26-Jun-2022
Harman International Industries, Incorporated	Ambient Noise Sound Level Compensation	7,333,618	19-Jan-2026
Harman International Industries, Incorporated	Defined Coverage Loudspeaker Horn	4,580,655	05-Oct-2003
Harman International Industries, Incorporated	Acoustic Diaphragm	4,655,316	13-Mar-2005
Harman International Industries, Incorporated	Self-Cooled Loudspeaker	5,042,072	14-Apr-2009
Harman International Industries, Incorporated	Speaker Mounting Assembly	5,143,339	01-Mar-2011
Harman International Industries, Incorporated	Constant Q Peaking Filter Utilizing Synthetic Inductor And Simulated Capacitor	5,235,223	29-Aug-2011
Harman International Industries, Incorporated	Arrangement To Correct The Linear And Nonlinear Transfer Behavior Of Electro-Acoustical Transducers	5,438,625	01-Aug-2012
Harman International Industries, Incorporated	Temperature/Environment-Resistant Transducer Suspension	5,455,396	25-Mar-2013
Harman International Industries, Incorporated	Low TCR Wire In High Power Audio Coils	5,664,023	14-Nov-2014
Harman International Industries, Incorporated	Loudspeaker Thermal Management Structure	5533132	23-Jan-2015

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Automatically Switched Equalization Circuit	5,581,626	31-Jul-2015
Harman International Industries, Incorporated	Spaceframe With Array Element Positioning	5,602,366	12-Oct-2015
Harman International Industries, Incorporated	Front-Locking Swivel Ball Loudspeaker Mount	5,704,578	03-Nov-2015
Harman International Industries, Incorporated	Dual Coil Drive With Multipurpose Housing	5,748,760	12-Feb-2017
Harman International Industries, Incorporated	Inductive Braking In A Dual Coil Speaker Driver Unit	5,828,767	22-Sep-2017
Harman International Industries, Incorporated	Shorting Rings In Dual-Coil Dual-Gap Loudspeaker Drivers	6,847,726	19-Mar-2018
Harman International Industries, Incorporated	Shorting Rings In Dual-Coil Dual-Gap Loudspeaker Drivers	6,768,806	18-Mar-2019
Harman International Industries, Incorporated	Sound-Damping Laminate For Loudspeaker Structure	7,315,627	08-Mar-2020
Harman International Industries, Incorporated	Audio Component Face	D454,860	26-Mar-2016
Harman International Industries, Incorporated	Portion of an Audio Component Face	D454553	19-Mar-2016
Harman International Industries, Incorporated	Audio Component Face	D476,651	01-Jul-2017
Harman International Industries, Incorporated	Portion of an Audio Component Face Plate	D479,715	16-Sep-2017
Harman International Industries, Incorporated	Audio Component Front Face	D488,466	13-Apr-2018
Harman International Industries, Incorporated	Audio Component Face	D484,876	06-Jan-2018
Harman International Industries, Incorporated	Artificial Ambiance Processing System	7062337	10-Mar-2024
Harman International Industries, Incorporated	Discrete Surround Audio System For Home And Automotive Listening	7,443,987	28-Apr-2024
Harman International Industries, Incorporated	Multichannel Downmixing Device	7,450,727	11-Nov-2025
Harman International Industries, Incorporated	Electroacoustic System	5,109,419	18-May-2010
Harman International Industries, Incorporated	Sound Reproduction	5,136,650	09-Jan-2011
Harman International Industries, Incorporated	Acoustic Analysis	5,161,197	04-Nov-2011
Harman International Industries, Incorporated	Multichannel Active Matrix Encoder And Decoder With Maximum Lateral Separation	5,796,844	19-Jul-2016
Harman International Industries, Incorporated	Multichannel Active Matrix Encoder And Decoder With Maximum Lateral Separation	5,870,480	31-Oct-2016
Harman International Industries, Incorporated	Method And System For Driving Speakers With A 90 Degree Phase Shift	6,683,962	21-Dec-2018
Harman International Industries, Incorporated	5-2-5 Matrix Encoder And Decoder System	7107211	10-Nov-2019
Harman International Industries, Incorporated	5-2-5 Matrix Encoder And Decoder System	6,697,491	03-Sep-2018
Harman International Industries, Incorporated	5-2-5 Matrix Encoder And Decoder System	7,386,132	17-Oct-2023
Harman International Industries, Incorporated	Information Transmission And Display Method And System For A Handheld Computing Device	7,123,212	16-Aug-2021

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Power Switch For External Module Adapted To Interface With A Portable Information Handling System	6,696,771	08-Jun-2022
Harman International Industries, Incorporated	Use Of Remote Control With A Device Having A Built-In Communication Port	7,047,326	12-Dec-2022
Harman International Industries, Incorporated	Transfer Of Images To A Mobile Computing Tool	7,197,711	17-Oct-2023
Harman International Industries, Incorporated	Vehicle Media Hub	D581,920	02-Dec-2022
Harman International Industries, Incorporated	Audio/Visual Server	6,772,212	08-Mar-2020
Harman International Industries, Incorporated	Vehicle Sound System	6,990,208	08-Mar-2020
Harman International Industries, Incorporated	Audio Mixer	D554,623	06-Nov-2021
Harman International Industries, Incorporated	Portion Of An Audio Mixer	D568,873	13-May-2022
Harman International Industries, Incorporated	Portion of an Audio Mixing - Central Portion	D569370	20-May-2022
Harman International Industries, Incorporated	Combined Moulded Rotary Knob And Nut	D344,440	22-Feb-2008
Harman International Industries, Incorporated	Clock Generating Circuit And Method For Control Of Electrical Systems Thereof	5,530,390	08-Sep-2014
Harman International Industries, Incorporated	Digital Control Of Analog Systems	5,454,040	11-Mar-2013
Harman International Industries, Incorporated	Modular Tweeter	5,742,696	20-Sep-2016
QNX Software Systems (Wavemakers), Inc.	Microphone Shield System	7,415,122	15-Jul-2021
QNX Software Systems (Wavemakers), Inc.	Shielded Microphone	6,771,788	25-May-2020
QNX Software Systems (Wavemakers), Inc.	Tracking Platform System	5,526,433	11-Jun-2013
QNX Software Systems (Wavemakers), Inc.	Sound Source Classification	7,117,149	30-Aug-2019
QNX Software Systems (Wavemakers), Inc.	Noisy Acoustic Signal Enhancement	6,910,011	16-Aug-2019
QNX Software Systems (Wavemakers), Inc.	Acoustic Signal Enhancement System	7,231,347	16-Aug-2019
QNX Software Systems (Wavemakers), Inc.	Method For Improving The Quality Of Acoustic Signal	7,058,190	22-May-2020
QNX Software Systems (Wavemakers), Inc.	Estimating The Distance Of An Acoustic Signal	6,243,322	05-Nov-2019
QNX Software Systems GmbH & Co. KG	Computer File Management System	7,047,257	10-Nov-2022
QNX Software Systems GmbH & Co. KG	Computer File Management System	7,461,098	16-May-2026
QNX Software Systems GmbH & Co. KG	Computer File Management System	7,440,980	03-Apr-2021
QNX Software Systems GmbH & Co. KG	Custom File System Having File Mappings To Files Of A Real File System	7,433,900	03-Apr-2021
QNX Software Systems GmbH & Co. KG	System For Executing Code During Operating System Initialization	7,461,247	03-Jun-2025
QNX Software Systems GmbH & Co. KG	Window Kernel	6,397,262	14-Oct-2014
QNX Software Systems GmbH & Co. KG	Window Kernel	5,745,759	28-Apr-2015
QNX Software Systems GmbH & Co. KG	Symmetric Multi-Processor System And Method	7103631	25-Aug-2019
QNX Software Systems GmbH & Co. KG	Distributed Kernel Operating System	6,697,876	25-Aug-2019

## II. Patent Applications

Registered Owner	Patent	Application Number	File Date
Harman International Industries, Incorporated	Speaker Surround Structure For Maximizing Cone Diameter	10/610383	30-Jun-2003
Harman International Industries, Incorporated	Vehicle Media System	11/478,319	28-Jun-2006
Harman International Industries, Incorporated	Loudspeaker Mounting Assembly	11/697,226	05-Apr-2007
Harman International Industries, Incorporated	In-Wall Subwoofer System With High Volume Displacement	11/541487	30-Sep-2006
Harman International Industries, Incorporated	Variable Impedance Voice Coil Loudspeaker	11/746,538	09-May-2007
Harman International Industries, Incorporated	Audio Control System For A Vehicle	11/788,234	19-Apr-2007
Harman International Industries, Incorporated	Headphone Accessory	12/266,228	06-Nov-2008
Harman International Industries, Incorporated	Modular Headphone System	61/110,431	31-Oct-2009
Harman International Industries, Incorporated	High Output Subwoofer	11/676,201	16-Feb-2007
Harman International Industries, Incorporated	Isochronous Audio Network Software Interface	10/578,766	05-May-2006
Harman International Industries, Incorporated	Audio Amplifier Local Interface System	10/866,553	10-Jun-2004
Harman International Industries, Incorporated	System For Dynamic Time Offsetting In Interleaved Power Amplifiers	11/283,035	18-Nov-2005
Harman International Industries, Incorporated	Amplifier Employing Interleaved Signals For Pulse Width Modulation Ripple Suppression	11/485,612	12-Jul-2006
Harman International Industries, Incorporated	Series Resonant DC-DC Converter	11/231,160	20-Sep-2005
Harman International Industries, Incorporated	Precision Triangle Wave Generator	11/542,756	03-Oct-2006
Harman International Industries, Incorporated	Powering A Wireless System From Preexisting Power	11/499,355	04-Aug-2006
Harman International Industries, Incorporated	Automatic Zero Voltage Switching Mode Controller	12/116,794	07-May-2008
Harman International Industries, Incorporated	Generalized Method Of Paralleling Voltage Amplifier	09/329759	10-Jun-1999
Harman International Industries, Incorporated	Audio And Charging Station For A Handheld Electronic Device	29/249,059	18-Sep-2006
Harman International Industries, Incorporated	Audio And Charging Station For A Handheld Electronic Device	29/249060	18-Sep-2006
Harman International Industries, Incorporated	Speaker Port System For Reducing Boundary Layer Separation	10/178,400	24-Jun-2002
Harman International Industries, Incorporated	Combined Power And Audio Dock For Handheld Device	12/036,159	22-Feb-2008
Harman International Industries, Incorporated	Lock for Audio Component Controls	29/306,834	17-Apr-2008
Harman International Industries, Incorporated	Audio Input/Output Device	29/329,002	05-Dec-2008

<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
Harman International Industries, Incorporated	System For Elimination Of Acoustic Feedback	09/658,538	09-Sep-2000
Harman International Industries, Incorporated	Audio Feedback Processing System	11/264,628	31-Oct-2005
Harman International Industries, Incorporated	System For Audio Related Device Communication	11/089,741	25-Mar-2005
Harman International Industries, Incorporated	System For Node Structure Discovery In An Audio Related System	11/090,665	25-Mar-2005
Harman International Industries, Incorporated	Audio Related System Link Management	11/090,542	25-Mar-2005
Harman International Industries, Incorporated	Audio Related System Node Instantiation	11/090,569	25-Mar-2005
Harman International Industries, Incorporated	System For Audio Related Equipment Management	11/090,518	25-Mar-2005
Harman International Industries, Incorporated	Audio Related System Communication Protocol	11/089,889	25-Mar-2005
Harman International Industries, Incorporated	System For Simulating Sound Engineering Effects	11/031,049	06-Jan-2005
Harman International Industries, Incorporated	Self Annealing Auto-Expanding Network	11/385,635	21-Mar-2006
Harman International Industries, Incorporated	Dynamic Instruction And Data Updating Architecture	11/599,967	15-Nov-2006
Harman International Industries, Incorporated	Instruction Processing Architecture for Avoiding Digital Signal Processor Pipeline Stalls	11/599732	15-Nov-2006
Harman International Industries, Incorporated	Pointing Element Enhanced Speaker System	11/705,310	12-Feb-2007
Harman International Industries, Incorporated	External Memory Interface Engine	11/771,764	29-Jun-2007
Harman International Industries, Incorporated	Serial Communication Input Output Interface Engine	11/771,743	29-Jun-2007
Harman International Industries, Incorporated	System Including Device for Securing The States Of Electronic Controls	12/104,975	18-Apr-2008
Harman International Industries, Incorporated	Mid-Keyboard-Monitor Computer-Based Audio I/O Device	12/329,563	06-Dec-2008
Harman International Industries, Incorporated	A Method of Attaching a Diaphragm to a Frame for a Planar Loudspeaker	12/005,697	28-Dec-2007
Harman International Industries, Incorporated	Acoustically Enhanced Electro-Dynamic Loudspeakers	11/039,476	19-Jan-2005
Harman International Industries, Incorporated	Magnet Retention System In Planar Loudspeakers	10/942,179	16-Sep-2004
Harman International Industries, Incorporated	Sound Event Detection And Localization System	10/428,405	02-May-2003
Harman International Industries, Incorporated	Sound Processing System Using Spatial Imaging Techniques	11/299592	12-Dec-2005
Harman International Industries, Incorporated	Loudspeaker System For Virtual Sound Synthesis	11/969,149	03-Jan-2008
Harman International Industries, Incorporated	Constant-Beamwidth Loudspeaker Array	10/701,256	04-Nov-2003
Harman International Industries, Incorporated	Distortion Compensation System	11/305,498	15-Dec-2005

Registered Owner	Patent	Application Number	File Date
Harman International Industries, Incorporated	Update System System For An Audio Amplifier	11/176,607	07-Jul-2005
Harman International Industries, Incorporated	Adaptive Navigation System With Artificial Intelligence	10/703,290	07-Nov-2003
Harman International Industries, Incorporated	Concentric Radial Ring Motor	11/311,418	19-Dec-2005
Harman International Industries, Incorporated	Automotive Audio Controller With Vibration Sensor	10/703,826	07-Nov-2003
Harman International Industries, Incorporated	Sound Processing System For Configuration Of Audio Signals In A Vehicle	12/197,973	25-Aug-2008
Harman International Industries, Incorporated	Sound Processing System For Configuration Of Audio Signals In A Vehicle	12/197,998	25-Aug-2008
Harman International Industries, Incorporated	Vehicle Loudspeaker Array	11/133,846	19-May-2005
Harman International Industries, Incorporated	Spatial Array Monitoring System	11/273,876	15-Nov-2005
Harman International Industries, Incorporated	Loudspeaker Plastic Cone Body	11/286872	22-Nov-2005
Harman International Industries, Incorporated	Log-Sampled Filter System	11/263,452	31-Oct-2005
Harman International Industries, Incorporated	Directional Loudspeaker To Reduce Direct Sound	11/697,088	05-Apr-2007
Harman International Industries, Incorporated	Electro Dynamic Planar Loudspeaker	11/405856	18-Apr-2006
Harman International Industries, Incorporated	System For Multiplexing Independent Signal	11/235,698	26-Sep-2006
Harman International Industries, Incorporated	Loudspeakers Having An Interlocking Magnetic Structure	11/386359	22-Mar-2006
Harman International Industries, Incorporated	Multiple Magnet Loudspeaker	11/471,966	21-Jun-2006
Harman International Industries, Incorporated	Audio Tuning System	11/496355	31-Jul-2006
Harman International Industries, Incorporated	System For High Definition Radio Blending	11/454,997	16-Jun-2006
Harman International Industries, Incorporated	Diagnostic System For Power Converter	11/634,597	05-Dec-2006
Harman International Industries, Incorporated	Audio Correlation System For High Definition Radio Blending	11/583,966	18-Oct-2006
Harman International Industries, Incorporated	Speaker Assembly with Mounting Plate	11/541,980	02-Oct-2006
Harman International Industries, Incorporated	Heat Sink Clamping Apparatus	11/607,219	01-Dec-2006
Harman International Industries, Incorporated	Method And Apparatus For Selectively Extracting Components Of An Input Signal	11/412,784	28-Apr-2006
Harman International Industries, Incorporated	Method and Apparatus Extracting and Changing the Reverberant Content of an Input Signal	11/533,707	20-Sep-2006
Harman International Industries, Incorporated	System for Modifying an Acoustic Space with Audio Source Content	12/054,388	25-Mar-2008
Harman International Industries, Incorporated	Push Button Tester	11/685,705	13-Mar-2007

Registered Owner	Patent	Application Number	File Date
Harman International Industries, Incorporated	Command Interface	11/960,647	19-Dec-2007
Harman International Industries, Incorporated	Vehicle Infotainment System With Personalized Content	11/960,589	19-Dec-2007
Harman International Industries, Incorporated	Vehicle Infotainment System With Personalized Content	12/210,884	15-Sep-2008
Harman International Industries, Incorporated	Loudspeaker Cone Body	12/209,482	12-Sep-2008
Harman International Industries, Incorporated	Loudspeaker Cone Body	61/096,509	12-Sep-2008
Harman International Industries, Incorporated	Multiple Magnet Loudspeaker	11/940,019	14-Nov-2007
Harman International Industries, Incorporated	Clamp For Electronic Device	11/968,532	02-Jan-2008
Harman International Industries, Incorporated	Phase Plug For Direct Radiating Speaker	61/088,882	14-Aug-2008
Harman International Industries, Incorporated	System For A Text Speller	12/131,682	02-Jun-2008
Harman International Industries, Incorporated	System for Active Noise Control with Audio Signal Compensation	12/275,118	20-Nov-2008
Harman International Industries, Incorporated	System for Active Noise Control With parallel Adaptive Filter Configuration	12/352,435	12-Jan-2008
Harman International Industries, Incorporated	System for Broadcast Information Database	12/368,802	10-Feb-2009
Harman International Industries, Incorporated	Bi-Directional Adjustable Current Source	12/391,133	23-Feb-2009
Harman International Industries, Incorporated	Vehicular Digital Audio Recorder User Interface	12/400,647	09-Mar-2009
Harman International Industries, Incorporated	Vehicular Digital Audio Recorder Energy Usage Monitor	12/400,650	09-Mar-2009
Harman International Industries, Incorporated	Open Navigation	61/164,379	27-Mar-2009
Harman International Industries, Incorporated	Tunable Response Transducer	06/497,062	23-May-1983
Harman International Industries, Incorporated	Automotive Sound System	06/752,058	05-Jul-1985
Harman International Industries, Incorporated	Method Of Manufacturing A Loudspeaker Spider	08/162,866	03-Dec-1993
Harman International Industries, Incorporated	Statistical Analysis Of Potential Audio System Configurations	10/684,222	10-Oct-2003
Harman International Industries, Incorporated	System Aand Method For Audio System Configuration	10/964,229	12-Oct-2004
Harman International Industries, Incorporated	System For Selecting Correction Factors For An Audio System	10/684,152	10-Oct-2003
Harman International Industries, Incorporated	System For Selecting Speaker Locations In An Audio System	10/684,043	10-Oct-2003
Harman International Industries, Incorporated	System For Configuring Audio System	10/684,208	10-Oct-2003
Harman International Industries, Incorporated	Method For Predicting Loudspeaker Port Performance And Optimizing Loudspeaker Port Designs Utilizing Bi-Directional	11/205,773	16-Aug-2005

<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
Harman International Industries, Incorporated	Method For Prediting Loudspeaker Preference	11/071,371	02-Mar-2005
Harman International Industries, Incorporated	Reflective Loudspeaker Array	11/371,538	08-Mar-2006
Harman International Industries, Incorporated	Front Portion of a Diaphragm	29/220692	04-Jan-2005
Harman International Industries, Incorporated	Loudspeaker Mounting Mechanism	10/632,433	31-Jul-2003
Harman International Industries, Incorporated	Variable Alignment Loudspeaker System	10/953,004	28-Sep-2004
Harman International Industries, Incorporated	Speaker Isolation System	11/217,115	31-Aug-2005
Harman International Industries, Incorporated	Equalization System To Improve The Quality Of Bass Sounds Within A Listening Area	11/026,773	30-Dec-2004
Harman International Industries, Incorporated	Media System Having Preemptive Digital Audio And/Or Video Extraction Function	11/402,297	11-Apr-2006
Harman International Industries, Incorporated	Loudspeaker Array Enabling Surround Sound	10/771,190	02-Feb-2004
Harman International Industries, Incorporated	Loudspeaker Array System	10/935,929	08-Sep-2004
Harman International Industries, Incorporated	Loudspeaker Crossover Filter	11/123,449	05-May-2005
Harman International Industries, Incorporated	Wide Band Equalization System	12/293,062	14-Mar-2007
Harman International Industries, Incorporated	Reduced Latency Low Frequency Equalization System	11/487597	14-Jul-2007
Harman International Industries, Incorporated	Spatial Processing Of Stereo System	11/951,964	06-Dec-2007
Harman International Industries, Incorporated	Class-D Transconductance Amplifier	12/046,338	11-Mar-2008
Harman International Industries, Incorporated	Speaker Housing	29/321,331	15-Jul-2008
Harman International Industries, Incorporated	Speaker Housing	29/321,331	15-Jul-2008
Harman International Industries, Incorporated	Loudspeaker	29/321,367	28-Jul-2008
Harman International Industries, Incorporated	Loudspeaker	29/321,368	15-Jul-2008
Harman International Industries, Incorporated	Loudspeaker Front Face	29/321,370	15-Jul-2008
Harman International Industries, Incorporated	Mid-Range Loudspeaker	11/288,988	28-Nov-2005
Harman International Industries, Incorporated	Self-Diagnostic System For Monitoring Electrical Equipment	09/949,107	07-Sep-2001
Harman International Industries, Incorporated	Rigging System For Line Array Speakers	11/929,524	30-Oct-2007
Harman International Industries, Incorporated	Sound Direction System	10/093,230	07-Mar-2002
Harman International Industries, Incorporated	Constant Coverage Waveguide	10/046,404	14-Jan-2002



<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
Harman International Industries, Incorporated	Ambient Noise Sound Level Compensation	11/944,016	21-Nov-2007
Harman International Industries, Incorporated	Ambient Noise Sound Level Compensation	11/757,798	04-Jun-2007
Harman International Industries, Incorporated	System For Automatic Compensation Of Low Frequency Audio Based On Human Loudness Perceptual Models	10/853,828	26-May-2004
Harman International Industries, Incorporated	Suspension System	11/648,157	30-Dec-2006
Harman International Industries, Incorporated	Suspension System	12/402,348	11-Mar-2009
Harman International Industries, Incorporated	Phasing Plug For A Compression Driver	11/317,654	22-Dec-2005
Harman International Industries, Incorporated	Self-Calibrating Loudspeaker System	12/065,479	29-Feb-2008
Harman International Industries, Incorporated	Self-Cooling Electromagnetic Transducer	11/392984	28-Mar-2006
Harman International Industries, Incorporated	Extended Multiple Gap Motors For Electromagnetic Transducers	11/519,196	11-Sep-2006
Harman International Industries, Incorporated	Fire Resistant Barrier	11/580,684	12-Oct-2006
Harman International Industries, Incorporated	Dual Coil, Dual Gap Electromagnetic Transducer With Multiple Channel Amplifier	11/623,261	15-Jan-2007
Harman International Industries, Incorporated	Phasing Plug	12/137,215	11-Jun-2008
Harman International Industries, Incorporated	Waveguide	12/141,013	17-Jun-2008
Harman International Industries, Incorporated	Passive Group Delay Beam Forming	61/143,336	08-Jan-2009
Harman International Industries, Incorporated	Sound-Damping Laminate For Loudspeaker Structure	11/955,232	12-Dec-2007
Harman International Industries, Incorporated	Artificial Ambiance Processing System	11/331,370	12-Jan-2006
Harman International Industries, Incorporated	Artificial Ambiance Processing System	11/331,402	12-Jan-2006
Harman International Industries, Incorporated	Multichannel Downmixing Device	12/243,746	01-Oct-2008
Harman International Industries, Incorporated	Enhanced Presentation Of Subpicture Information	11/846,836	29-Aug-2007
Harman International Industries, Incorporated	Playback of Audio Content Only From a DVD Video Disk On a System Without a Display	12/172,929	14-Jul-2008
Harman International Industries, Incorporated	Electronic Device Mount	29/299,638	31-Dec-2007
Harman International Industries, Incorporated	Electronic Device Mount	29/299,639	31-Dec-2007
Harman International Industries, Incorporated	Audio/Visual Server	10/881,549	30-Jun-2004
Harman International Industries, Incorporated	Personal Device-To-Device Network	09/955,665	19-Sep-2001
Harman International Industries, Incorporated	Interface For Audio Visual Device	10/077,562	15-Feb-2002

Registered Owner	Patent	Application Number	File Date
Harman International Industries, Incorporated	User Interface for Multifunctional Device	11/966,783	28-Dec-2007
Harman International Industries, Incorporated	User Interface for Peripheral Device	11/779,152	17-Jul-2007
Harman International Industries, Incorporated	User Interface for Multifunction Device	11/969,406	04-Jan-2008
Harman International Industries, Incorporated	Multimedia Object Grouping, Selection, And Playback System	11/650,033	05-Jan-2008
Harman International Industries, Incorporated	Heuristic Organization And Playback System	11/747,119	10-May-2007
Harman International Industries, Incorporated	Dynamic Creation & Interaction with a Custom Music Stream	61/084,867	30-Jul-2008
Harman International Industries, Incorporated	Portable Electronic Device Mount	11/967,397	31-Dec-2007
Harman International Industries, Incorporated	Mixing Console	29/304,684	06-Mar-2008
QNX Software Systems (Wavemakers), Inc.	Microphone Shield System	12/124,773	21-May-2008
QNX Software Systems (Wavemakers), Inc.	Signature Noise Removal	11/607,340	30-Nov-2006
QNX Software Systems (Wavemakers), Inc.	Wind Noise Suppression System	10/410,736	10-Apr-2003
QNX Software Systems (Wavemakers), Inc.	System For Suppressing Wind Noise	10/688,802	16-Oct-2003
QNX Software Systems (Wavemakers), Inc.	Isolating Speech Signals Using Neural Networks	11/085,825	21-Mar-2005
QNX Software Systems (Wavemakers), Inc.	Minimization Of Transient Noises In A Voice Signal	11/252160	17-Oct-2005
QNX Software Systems (Wavemakers), Inc.	System For Suppressing Rain Noise	11/006,935	08-Dec-2004
QNX Software Systems (Wavemakers), Inc.	Repetitive Transient Noise Removal	11/331,806	13-Jan-2006
QNX Software Systems (Wavemakers), Inc.	Network Dependent Signal Processing	11/218,742	02-Sep-2005
QNX Software Systems (Wavemakers), Inc.	Period Signal Enhancement	10/973,575	26-Oct-2004
QNX Software Systems (Wavemakers), Inc.	Reverberation Estimation And Suppression System	11/002,328	01-Dec-2004
QNX Software Systems (Wavemakers), Inc.	System For Suppressing Passing Tire Hiss	11/125,052	09-May-2005
QNX Software Systems (Wavemakers), Inc.	System And Method For Adaptive Enhancement Of Speech Signals	11/167,955	28-Jun-2005
QNX Software Systems (Wavemakers), Inc.	Vehicle State Based Parameter Adjustment System	11/031,373	06-Jan-2005
QNX Software Systems (Wavemakers), Inc.	System For Limiting Receive Audio	11/012079	14-Dec-2004
QNX Software Systems (Wavemakers), Inc.	System For Improving Speech Quality And Intelligibility	11/110,556	20-Apr-2005
QNX Software Systems (Wavemakers), Inc.	Dynamic Real-Time Cross-Fading Of Voice Prompts	11/139,028	26-May-2005

<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
QNX Software Systems (Wavemakers), Inc.	Frequency Extension Of Harmonic Signals	11/168,654	28-Jun-2005
QNX Software Systems (Wavemakers), Inc.	Periodic Signal Enhancement System	11/102,251	08-Apr-2005
QNX Software Systems (Wavemakers), Inc.	Periodic Signal Enhancement System	11/101,796	08-Apr-2005
QNX Software Systems (Wavemakers), Inc.	Adaptive Control Gain	11/130,080	16-May-2005
QNX Software Systems (Wavemakers), Inc.	Detection And Suppression Of Wind Noise In Microphone Signals	11/925,323	13-Feb-2006
QNX Software Systems (Wavemakers), Inc.	In-Situ Speech Reinforcement System	11/287,089	22-Nov-2005
QNX Software Systems (Wavemakers), Inc.	System For Data Communication Over Voice Band Robust To Noise	11/301,675	13-Dec-2005
QNX Software Systems (Wavemakers), Inc.	Signal Processing System For Tonal Noise Robustness	11/131,150	17-May-2005
QNX Software Systems (Wavemakers), Inc.	Speech End-Pointer	11/152,922	15-Jun-2005
QNX Software Systems (Wavemakers), Inc.	Speech End-Pointer	11/804,633	18-May-2007
QNX Software Systems (Wavemakers), Inc.	Advanced Periodic Signal Enhancement	11/317,762	23-Dec-2005
QNX Software Systems (Wavemakers), Inc.	System For Improving Speech Intelligibility Through High Frequency Compression	11/298,053	09-Dec-2005
QNX Software Systems (Wavemakers), Inc.	Adaptive Filter For Pitch Extraction	11/298,052	09-Dec-2005
QNX Software Systems (Wavemakers), Inc.	Adaptive Context for Automatic Speech Recognition Systems	11/865,443	01-Oct-2007
QNX Software Systems (Wavemakers), Inc.	Bandwidth Extension Of Narrowband Speech	11/317,761	23-Dec-2005
QNX Software Systems (Wavemakers), Inc.	Clock Synchronization Of Data Streams	11/504,948	16-Aug-2006
QNX Software Systems (Wavemakers), Inc.	Speech Synthesis System Having Artificial Excitation Signal	12/041,302	03-Mar-2008
QNX Software Systems (Wavemakers), Inc.	Transient Noise Removal System Using Wavelets	11/699,709	30-Jan-2007
QNX Software Systems (Wavemakers), Inc.	Sub-Band Periodic Signal Enhancement	11/757,768	04-Jun-2007
QNX Software Systems (Wavemakers), Inc.	Robust Noise Estimation	11/644,414	22-Dec-2006
QNX Software Systems (Wavemakers), Inc.	Distributed Intelligibility Testing System	11/854,728	13-Sep-2007
QNX Software Systems (Wavemakers), Inc.	High Frequency Compression Integration	11/645,079	22-Dec-2006
QNX Software Systems (Wavemakers), Inc.	Multichannel Periodic Signal Enhancement (PSE) System	11/849,009	31-Aug-2007
QNX Software Systems (Wavemakers), Inc.	Simplified System For Karaoke	12/264,190	03-Nov-2008
QNX Software Systems (Wavemakers), Inc.	Noise Reduction with Integrated Tonal Noise Reduction	11/961,715	20-Dec-2007

<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
QNX Software Systems (Wavemakers), Inc.	A Spectro-Temporal Varying Approach for Speech Enhancement	11/961,681	20-Dec-2007
QNX Software Systems (Wavemakers), Inc.	Fast Acoustic Cancellation	11/771,258	29-Jun-2007
QNX Software Systems (Wavemakers), Inc.	Adaptive Linear Predictive Coding Noise Reduction System	11/804,577	17-May-2007
QNX Software Systems (Wavemakers), Inc.	Adaptive Noise Recognition System	12/023,381	31-Jan-2008
QNX Software Systems (Wavemakers), Inc.	High-Frequency Bandwidth Extension in the Time Domain	11/809,952	04-Jun-2007
QNX Software Systems (Wavemakers), Inc.	Dynamic Siren Detection And Notification System	12/014,686	15-Jan-2008
QNX Software Systems (Wavemakers), Inc.	Time Domain Receive-Side Dynamic Control	11/940,920	15-Nov-2007
QNX Software Systems (Wavemakers), Inc.	Targeted Speech	12/079,376	26-Mar-2008
QNX Software Systems (Wavemakers), Inc.	Interference Detector	12/070,798	21-Feb-2008
QNX Software Systems (Wavemakers), Inc.	Dynamic Noise Reduction	11/923,358	24-Oct-2007
QNX Software Systems (Wavemakers), Inc.	Speech Enhancement via Partial Spectral Reconstruction	12/126,682	23-May-2008
QNX Software Systems (Wavemakers), Inc.	Video Phone System	12/186,264	05-Aug-2008
QNX Software Systems (Wavemakers), Inc.	Remote Control Server Protocol System	12/056,618	27-Mar-2008
QNX Software Systems (Wavemakers), Inc.	Robust Noise Detector For Receive-Side Automatic Gain Control (AGC)	11/953,629	10-Dec-2007
QNX Software Systems (Wavemakers), Inc.	System For Comfort Noise Injection	11/930,968	31-Oct-2007
QNX Software Systems (Wavemakers), Inc.	Microphone Mixing System With Adaptive Post Filtering	60/985,557	05-Nov-2007
QNX Software Systems (Wavemakers), Inc.	Mixer With Adaptive Post Filtering	12/264,791	04-Nov-2008
QNX Software Systems (Wavemakers), Inc.	Subband Processing Complexity Reduction	61/148,661	30-Jan-2009
QNX Software Systems (Wavemakers), Inc.	Robust Downlink Speech and Noise Detector	61/125,949	30-Apr-2008
QNX Software Systems (Wavemakers), Inc.	Measuring Double Talk Performance	61/049,270	30-Apr-2008
QNX Software Systems (Wavemakers), Inc.	Model Based Speech Enhancement	61/055,651	23-May-2008
QNX Software Systems (Wavemakers), Inc.	Speech Enhancement System	61/055,859	23-May-2008
QNX Software Systems (Wavemakers), Inc.	Ambient Noise Compensation System Robust to High Excitation Noise	61/055,913	23-May-2008
QNX Software Systems (Wavemakers), Inc.	Minimization of Speech Code Noise Gating	61/055,949	23-May-2008
QNX Software Systems (Wavemakers), Inc.	Sound Source Classification	11/540,153	29-Sep-2006

<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
QNX Software Systems GmbH & Co. KG	Method And System For Providing Transparent Access To Hardware Graphic Layers	10/928,698	30-Aug-2004
QNX Software Systems GmbH & Co. KG	Fast And Memory Protected Asynchronous Message Scheme In A Multi-Process and Multi-Thread Environment	11/145,105	03-Jun-2005
QNX Software Systems GmbH & Co. KG	Distributed Kernel Operating System	11/145,293	03-Jun-2005
QNX Software Systems GmbH & Co. KG	Distributed Kernel Operating System	11/144,327	03-Jun-2005
QNX Software Systems GmbH & Co. KG	Process Scheduler Employing Adaptive Partitioning Of Process Threads	11/317,468	22-Dec-2005
QNX Software Systems GmbH & Co. KG	Process Schedule Employing Adaptive Partitioning Of Critical Process Threads	11/371,638	08-Mar-2006
QNX Software Systems GmbH & Co. KG	Process Scheduler Employing Ordering Function To Schedule Threads Running In Multiple Adaptive Partitions	11/371,634	08-Mar-2006
QNX Software Systems GmbH & Co. KG	Process Scheduler Having Multiple Adaptive Partitions Associated With Process Threads Accessing Mutexes And The Li	11/371639	08-Mar-2006
QNX Software Systems GmbH & Co. KG	Adaptive Partitioning For Operating System	11/216795	31-Aug-2005
QNX Software Systems GmbH & Co. KG	System for Employing Fast Booting of Application Programs	11/385,253	21-Mar-2006
QNX Software Systems GmbH & Co. KG	File System Storing Transaction Records In Flash-Like Media	11/173,994	01-Jul-2005
QNX Software Systems GmbH & Co. KG	Optimized Startup Verification Of File System Integrity	11/173,798	01-Jul-2005
QNX Software Systems GmbH & Co. KG	File System Having Transaction Record Coalescing	11/450,141	09-Jun-2006
QNX Software Systems GmbH & Co. KG	Computer System Having Logically Ordered Cache Management	11/450,140	09-Jun-2006
QNX Software Systems GmbH & Co. KG	System Employing Data verification Operations Of Differing Computational Costs	11/477,824	28-Jun-2006
QNX Software Systems GmbH & Co. KG	File System Having Deferred Verification Of Data Integrity	11/173,808	01-Jul-2005
QNX Software Systems GmbH & Co. KG	File System Having Inverted Hierarchical Structure	11/173,945	01-Jul-2005
QNX Software Systems GmbH & Co. KG	System For Configuring Switches In A Network	11/262384	28-Oct-2005
QNX Software Systems GmbH & Co. KG	File System Having Variable Logical Storage Block Size	11/510,174	25-Aug-2006
QNX Software Systems GmbH & Co. KG	System Executing A Fast Boot Wake-Up	11/418,481	04-May-2006
QNX Software Systems GmbH & Co. KG	Multimedia System Framework Having Layer Consolidating Access To Multiple Media Devices	11/765,258	19-Jun-2007
QNX Software Systems GmbH & Co. KG	File System Having a File Name Cache	11/717,583	13-Mar-2007
QNX Software Systems GmbH & Co. KG	Multimedia File System Having Unified Representation of Content on Diverse Multimedia Devices	11/717,601	13-Mar-2007
QNX Software Systems GmbH & Co. KG	Media System Having Synchronization With Preemptive Prioritization Of Synchronization Order	11/950,227	04-Dec-2007
QNX Software Systems GmbH & Co. KG	System For Selecting A Media File For Playback From Multiple Files Having Substantially Similar Media Content	11/947,386	29-Nov-2007

<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
QNX Software Systems GmbH & Co. KG	Processing System Implementing Variable Page Size Memory Organization Using a Multiple Page Per Entry Translation	11/853,451	11-Sep-2007
QNX Software Systems GmbH & Co. KG	Processing System Implementing Variable Page Size Memory Organization	11/776,967	11-Jul-2007
QNX Software Systems GmbH & Co. KG	Processing System Having a Supported Page Size Information Register	11/779,853	18-Jul-2007
QNX Software Systems GmbH & Co. KG	Processing System Implementing Multiple Page Size Memory Organization with Multiple Translation Lookaside Buffers H	11/776,970	12-Jul-2007
QNX Software Systems GmbH & Co. KG	Processing System Having Resource Partitioning	12/025,480	04-Feb-2008
QNX Software Systems GmbH & Co. KG	Processing System Having Resource Partitioning	12/207,189	09-Sep-2008
QNX Software Systems GmbH & Co. KG	Remote Entry Navigation System	11/776,057	11-Jul-2007
QNX Software Systems GmbH & Co. KG	Graphic user Intreface	12/058,541	28-Mar-2008
QNX Software Systems GmbH & Co. KG	Adaptive Partition Scheduling For Bound Multiprocessing	12/098,972	07-Apr-2008
QNX Software Systems GmbH & Co. KG	Adaptive Partition Scheduling For Multiprocessing System	12/039,678	28-Feb-2008
QNX Software Systems GmbH & Co. KG	System Having User Interface Using Object Selection And Gestures	12/039,674	28-Feb-2008
QNX Software Systems GmbH & Co. KG	System Compositing Images From Multiple Applications	12/036,909	25-Feb-2008
QNX Software Systems GmbH & Co. KG	System Compositing Images From Multiple Applications	12/260,701	29-Oct-2008
QNX Software Systems GmbH & Co. KG	System Compositing Images From Multiple Applications	60/985,047	02-Nov-2007
QNX Software Systems GmbH & Co. KG	System Having User Interface Using a Movie Clip Based Object Selection and Mouse Movement	60/985,053	02-Nov-2007
QNX Software Systems GmbH & Co. KG	System Having User Interface Using Motion Based Object Selection and Mouse Movement	12/039,676	28-Feb-2008
QNX Software Systems GmbH & Co. KG	Playlist Management System	61/138,384	17-Dec-2008
QNX Software Systems GmbH & Co. KG	System For Managing An Acess-Constrained Resource	61/045,893	17-Apr-2008
QNX Software Systems GmbH & Co. KG	Media Processing System Having Resource Partitioning	61/046,267	18-Apr-2008
QNX Software Systems GmbH & Co. KG	System Having Movie Clip Object Controlling an External Native Application	12/190,380	12-Aug-2008
QNX Software Systems GmbH & Co. KG	Symmetric Multi-Processor System	11/515,675	05-Sep-2006

Schedule III to  
the Patent and Trademark  
Security Agreement

## U.S. TRADEMARKS

### **I. Trademarks**

<b>Registered Owner</b>	<b>Mark</b>	<b>Registration Number</b>
Harman International Industries, Incorporated	BASSLINK (wordmark)	2499066
Harman International Industries, Incorporated	INFINITY & DESIGN	1409283
Harman International Industries, Incorporated	INFINITY (wordmark)	1385113
Infinity Systems, Inc. <sup>1</sup>	INTERMEZZO (wordmark)	2446701
Harman International Industries, Incorporated	MISCELLANEOUS DESIGN	1130709
Harman International Industries, Incorporated	OUTRIGGER (wordmark)	1994159
Harman International Industries, Incorporated	PLUS ONE (wordmark)	2475906
Harman International Industries, Incorporated	R.A.B.O.S. (wordmark)	2523169
Harman International Industries, Incorporated	GRAND TOURING	2050663
Harman International Industries, Incorporated	INFINITY & DESIGN	1494051
Harman International Industries, Incorporated	BCA (wordmark)	2166304
Harman International Industries, Incorporated	COM-TECH (wordmark)	1628028
Harman International Industries, Incorporated	CROWN (STYLIZED)	1137593
Harman International Industries, Incorporated	CROWN (wordmark)	1241893
Harman International Industries, Incorporated	CROWN (wordmark)	1689943
Harman International Industries, Incorporated	CROWN AUDIO (Wordmark)	2791471
Harman International Industries, Incorporated	CROWN DESIGN	1140244
Harman International Industries, Incorporated	DATAFRAME (wordmark)	1747700
Harman International Industries, Incorporated	DBC (wordmark)	2979406
Harman International Industries, Incorporated	DC300 (wordmark)	1151524
Harman International Industries, Incorporated	IOC (wordmark)	1132609
Harman International Industries, Incorporated	IQ SYSTEM (wordmark)	1617393
Harman International Industries, Incorporated	MACRO-TECH (wordmark)	1529417
Harman International Industries, Incorporated	MICRO-TECH (wordmark)	1350422
Harman International Industries, Incorporated	MULTI-MODE	1229018
Harman International Industries, Incorporated	ODEP (wordmark)	1632187
Harman International Industries, Incorporated	PCC (wordmark)	1351515
Harman International Industries, Incorporated	PHASE COHERENT CARDIOID (wordmark)	1379816
Harman International Industries, Incorporated	PRESSURE ZONE MICROPHONE (wordmark)	1227096

<sup>1</sup> Merged into JBL Incorporated.

Registered Owner	Mark	Registration Number
Harman International Industries, Incorporated	PZM (wordmark)	1181962
Harman International Industries, Incorporated	SASS (wordmark)	1623481
Harman International Industries, Incorporated	ULTRA-TECH (wordmark)	2427814
Harman International Industries, Incorporated	VZ (wordmark)	1704166
Harman International Industries, Incorporated	DIFFEROID (wordmark)	1486816
Harman International Industries, Incorporated	IQ (wordmark)	2108109
Harman International Industries, Incorporated	P.I.P. (wordmark)	1478359
Harman International Industries, Incorporated	POWER BASE-1 (STYLIZED)	1442930
Harman International Industries, Incorporated	HARMAN KARDON (wordmark)	3538619
Harman International Industries, Incorporated	CITATION	700449
Harman International Industries, Incorporated	EZSET	3087064
Harman International Industries, Incorporated	EZSET/EQ & Design	3245376
Harman International Industries, Incorporated	EZSET+	3087065
Harman International Industries, Incorporated	HARMAN/KARDON (wordmark)	1166266
Harman International Industries, Incorporated	HARMAN/KARDON (wordmark)	1552645
Harman International Industries, Incorporated	HI LOGO	1546807
Harman International Industries, Incorporated	HK LOGO	1377965
Harman-Kardon Incorporated <sup>2</sup>	POWER FOR THE DIGITAL REVOLUTION (wordmark)	2406957
Harman-Kardon Incorporated <sup>3</sup>	TAKE CONTROL (wordmark)	2308718
Harman International Industries, Incorporated	BECKER (wordmark)	2929086
Harman International Industries, Incorporated	BECKER (wordmark)	2970922
Harman International Industries, Incorporated	BECKER AUTOMOTIVE SYSTEMS & note design	2222980
Harman International Industries, Incorporated	INFINITY SOUND REWARDS (wordmark)	2711010
Harman International Industries, Incorporated	OXFORD AND DESIGN	1135631
Harman International Industries, Incorporated	TRAFFICPRO (wordmark)	2732489
Harman International Industries, Incorporated	HARMAN INTERNATIONAL (wordmark)	2503475
Harman International Industries, Incorporated	HI (H WITH "I" IN THE CENTER OF THE "H")	1794712
Harman International Industries, Incorporated	AUDIODNA (wordmark)	2623517
Harman International Industries, Incorporated	DBX (wordmark)	1320432
Harman International Industries, Incorporated	DIGIDELAY (wordmark)	2915049
Harman International Industries, Incorporated	DIGITECH (wordmark)	1581245
Harman International Industries, Incorporated	DIGITECH WHAMMY (wordmark)	2919297
Harman International Industries, Incorporated	DIGIVERB (wordmark)	2776877
Harman International Industries, Incorporated	DOD (wordmark)	1581244
Harman International Industries, Incorporated	GENEDIT (wordmark)	2757531
Harman International Industries, Incorporated	GENETX (wordmark)	2796053

<sup>2</sup> Merged into JBL Incorporated.

<sup>3</sup> Merged into JBL Incorporated.



Registered Owner	Mark	Registration Number
Harman International Industries, Incorporated	GNX (wordmark)	2735693
Harman International Industries, Incorporated	GNX3 & DESIGN	2731674
Harman International Industries, Incorporated	GNX3 (wordmark)	2731673
Harman International Industries, Incorporated	GRUNGE (wordmark)	2807478
Harman International Industries, Incorporated	GUITAR WORKSTATION (wordmark)	2949492
Harman International Industries, Incorporated	HIQNET & "Q" Logo (to the left of mark)	3406616
Harman International Industries, Incorporated	JAM MAN (wordmark)	1869340
Harman International Industries, Incorporated	LOGIC7 UPMIX (wordmark)	2854959
Harman International Industries, Incorporated	MAIN SQUEEZE (wordmark)	2745228
Harman International Industries, Incorporated	MINIDRIVE (wordmark)	2993565
Harman International Industries, Incorporated	MULTI CHORUS (wordmark)	2799206
Harman International Industries, Incorporated	PEAKPLUS (wordmark)	2396126
Harman International Industries, Incorporated	PRO TRACKS (wordmark)	2919863
DOD ELECTRONICS CORPORATION <sup>4</sup>	S-DISC (wordmark)	1884253
Harman International Industries, Incorporated	SYNTH WAH (wordmark)	2801375
Harman International Industries, Incorporated	TALKER (wordmark)	2472300
Harman International Industries, Incorporated	TONE DRIVER (wordmark)	2726030
Harman International Industries, Incorporated	TURBO FLANGE (wordmark)	2801374
HARMAN MUSIC GROUP, INC.	TYPE III (wordmark)	2250061
Harman International Industries, Incorporated	TYPE IV (wordmark)	2265325
Harman International Industries, Incorporated	VOCALIST (wordmark)	2665018
Harman International Industries, Incorporated	X-SERIES	3134146
Harman International Industries, Incorporated	ZONEPRO	3395779
Harman International Industries, Incorporated	AUTOWARMTH (wordmark)	2547937
Harman International Industries, Incorporated	BSS (wordmark)	2016964
Harman International Industries, Incorporated	DBX	1032613
Harman International Industries, Incorporated	DBX	2036492
Harman International Industries, Incorporated	OVEREASY	1148795
Harman International Industries, Incorporated	PEAKSTOPPLUS (wordmark)	2152801
Harman International Industries, Incorporated	SOUNDWEB (wordmark)	2106748
Harman International Industries, Incorporated	BASS OPTIMIZATION SYSTEM (wordmark)	2470743
Harman International Industries, Incorporated	CMMD (wordmark)	2574174
Harman International Industries, Incorporated	EMIT (wordmark)	1613622
Harman International Industries, Incorporated	ERS (wordmark)	1628149
Harman International Industries, Incorporated	INFINITY (covering automobile navigation aid) (wordmark)	2925712
Harman International Industries, Incorporated	INFINITY (wordmark)	2929639
Harman International Industries, Incorporated	INFINITY (wordmark)	1130710

<sup>4</sup> Now known as Harman Music Group, Incorporated.

Registered Owner	Mark	Registration Number
Harman International Industries, Incorporated	INFINITY BETA (wordmark)	2867896
Harman International Industries, Incorporated	INFINITY LOGO	1385112
Harman International Industries, Incorporated	INFINITY PRIMUS (wordmark)	2846757
Harman International Industries, Incorporated	KAPPA (wordmark)	1698844
Harman International Industries, Incorporated	KAPPA PERFECT (wordmark)	2960882
Harman International Industries, Incorporated	KAPPA PERFECT LOGO	3058130
Harman International Industries, Incorporated	M3D (wordmark)	2849609
Harman International Industries, Incorporated	MMD (wordmark)	2880299
Harman International Industries, Incorporated	MODULUS (wordmark)	1628148
Harman International Industries, Incorporated	PLUS ONE + (wordmark)	2887650
Harman International Industries, Incorporated	PRELUDE (wordmark)	2234474
Harman International Industries, Incorporated	TOTAL SOLUTIONS & Logo (Infinity Logo)	2915241
Harman International Industries, Incorporated	TOTAL SOLUTIONS (BLOCK LETTERS) (wordmark)	2872845
Harman International Industries, Incorporated	AUDIOACCESS (wordmark)	1842812
Harman International Industries, Incorporated	BI-RADIAL (wordmark)	1576056
Harman International Industries, Incorporated	JBL BASS Q & DESIGN	2921042
Harman International Industries, Incorporated	JBL SOUNDGEAR (wordmark)	2724996
Harman International Industries, Incorporated	JBL SYNTHESIS (STYLIZED)	2853443
Harman International Industries, Incorporated	POWER SERIES (wordmark)	2210832
Harman International Industries, Incorporated	SONOGLASS (wordmark)	2824377
Harman International Industries, Incorporated	SOUNDPOINT (wordmark)	2579310
Harman International Industries, Incorporated	SYNTHESIS (wordmark)	1378917
Harman International Industries, Incorporated	HOW TO LISTEN (wordmark)	2082469
Harman International Industries, Incorporated	JBL (wordmark)	782327
Harman International Industries, Incorporated	AUDIO DIGITAL & Design	1769777
Harman International Industries, Incorporated	CABARET (wordmark)	1167108
Harman International Industries, Incorporated	CONTROL	1613674
Harman International Industries, Incorporated	INVISIBALL (wordmark)	2173406
Harman International Industries, Incorporated	JBL DRIVEPACK (wordmark)	3002530
Harman International Industries, Incorporated	JBL PLYMAX (wordmark)	3002531
Harman International Industries, Incorporated	NEODYMIUM DIFFERENTIAL DRIVE NDD (wordmark)	2825538
Harman International Industries, Incorporated	PRECISION DIRECTIVITY (wordmark)	2908989
Harman International Industries, Incorporated	RADIATION BOUNDARY INTEGRATOR (wordmark)	2828208
Harman International Industries, Incorporated	SCREENARRAY (wordmark)	2472301
Harman International Industries, Incorporated	SOUNDFACTOR (wordmark)	2812838
Harman International Industries, Incorporated	SOUNDZONE (wordmark)	2446850
Harman International Industries, Incorporated	VERTEC (wordmark)	2754979
Harman International Industries, Incorporated	WEATHERMAX (wordmark)	2887452
Harman International Industries, Incorporated	EON	2018236

Registered Owner	Mark	Registration Number
Harman International Industries, Incorporated	THERMOMASTER (wordmark)	2140874
Harman International Industries, Incorporated	TOTAL THERMAL MANAGEMENT SYSTEM (wordmark)	2099835
Harman International Industries, Incorporated	L7 LOGIC 7 LOGO	2698186
Harman International Industries, Incorporated	LARES ((wordmark)	2730807
Harman International Industries, Incorporated	LEXICHIP (wordmark)	2643786
Harman International Industries, Incorporated	LEXICON (wordmark)	1155393
Harman International Industries, Incorporated	LOGIC 7 (wordmark)	2858235
Harman International Industries, Incorporated	LOGIC 7 (wordmark)	2177392
Harman International Industries, Incorporated	MADRIGAL (wordmark)	1534121
Harman International Industries, Incorporated	MARK LEVINSON (LOGO)	1143174
Harman International Industries, Incorporated	MARK LEVINSON (LOGO)	1218242
Harman International Industries, Incorporated	MARK LEVINSON (wordmark)	1130740
Harman International Industries, Incorporated	MARK LEVINSON (wordmark)	1218241
Harman International Industries, Incorporated	OXFORD (wordmark)	1135630
Harman International Industries, Incorporated	DVD-TO-GO (wordmark)	2253360
Harman International Industries, Incorporated	TV-TO-GO (wordmark)	2251319
Harman International Industries, Incorporated	CREATURE (Authorization for Work Required) (wordmark)	2696773
Harman International Industries, Incorporated	DUET	3495979
Harman International Industries, Incorporated	JBL ENCOUNTER Logo	3107521
Harman International Industries, Incorporated	JBL LOGO & ON STAGE	3027602
Harman International Industries, Incorporated	JBL LOGO & ON TIME	3121896
Harman International Industries, Incorporated	JBL LOGO & ON TOUR	3026171
Harman International Industries, Incorporated	JBL ON STAGE (WORDMARK)	3397212
Harman International Industries, Incorporated	JBL ON TOUR (block letters)	3175423
Harman International Industries, Incorporated	SOUNDSTICKS (wordmark)	2453914
Harman International Industries, Incorporated	Design (Horn with Feet)	2642406
Harman International Industries, Incorporated	PHATBOX (wordmark)	2703866
Harman International Industries, Incorporated	PHATNOISE (wordmark)	2656105
Harman International Industries, Incorporated	PHATNOISE (wordmark)	2625630
QNX Software Systems GmbH & Co. KG	BUILD A MORE RELIABLE WORLD (block letters) (wordmark)	3121064
QNX Software Systems GmbH & Co. KG	MOMENTICS (wordmark)	2937639
QNX Software Systems GmbH & Co. KG	PHOTON (block letters) (wordmark)	2160457
QNX Software Systems GmbH & Co. KG	QNX	2542411
QNX Software Systems GmbH & Co. KG	QNX Design	1338949
QNX Software Systems GmbH & Co. KG	NEUTRINO (block letters)	2065648
QNX Software Systems GmbH & Co. KG	PHOTON MICROGUI design	2025191
QNX Software Systems GmbH & Co. KG	QNX Design	1954518
Harman International Industries, Incorporated	JBL (WORDMARK)	2602354

<b>Registered Owner</b>	<b>Mark</b>	<b>Registration Number</b>
Harman International Industries, Incorporated	JBL (wordmark)	3389444
Harman International Industries, Incorporated	JBL LOGO	861616
JBL Incorporated	JBL LOGO	880890
Harman International Industries, Incorporated	JBL LOGO	873423
Harman International Industries, Incorporated	OLD JBL LOGO	803793
Harman International Industries, Incorporated	VENUE	3487465
Harman International Industries, Incorporated	DIFFERENTIAL DRIVE	2049652
Harman International Industries, Incorporated	JBL (WORDMARK)	883096

## II. Trademark Applications

<b>Applicant</b>	<b>Mark</b>	<b>Application Number</b>
Harman International Industries, Incorporated	HARMAN/KARDON	78/579588
Harman International Industries, Incorporated	BECKER TRAFFIC ASSIST	78/731995
Harman International Industries, Incorporated	BECKER TRAFFIC ASSIST PRO	78/732029
Harman International Industries, Incorporated	GREENEDGE	77/542654
Harman International Industries, Incorporated	DRIVERACK (wordmark)	77/633836
Harman International Industries, Incorporated	HARDWIRE	77/502423
Harman International Industries, Incorporated	HARMONYMAN	77/410818
Harman International Industries, Incorporated	HIQNET (plain block text)	77/376828
Harman International Industries, Incorporated	MARK LEVINSON (new logo)	77/634856
Harman International Industries, Incorporated	Design (Horn)	78/691304
QNX Software Systems GmbH & Co. KG	AVIAGE	77/278175
Harman International Industries, Incorporated	JBL	77/019831
Harman International Industries, Incorporated	JBL	77/020235
Harman International Industries, Incorporated	JBL	77/019780
Harman International Industries, Incorporated	JBL	77/019831
Harman International Industries, Incorporated	JBL	77/019794
Harman International Industries, Incorporated	JBL	77/019749
Harman International Industries, Incorporated	JBL	77/019720