

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6701273

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	FIRST LIEN PATENT SECURITY AGREEMENT
<b>SEQUENCE:</b>	2

**CONVEYING PARTY DATA**

Name	Execution Date
BOSTON ACOUSTICS, INC.	04/29/2021
DEI SALES, INC.	04/29/2021
DEI HOLDINGS, INC.	04/29/2021
SOUND UNITED, LLC	04/29/2021
POLK AUDIO, LLC	04/29/2021
DEFINITIVE TECHNOLOGY, LLC	04/29/2021
D&M HOLDINGS U.S. INC.	04/29/2021
THE SPEAKER COMPANY	04/29/2021
DENON ELECTRONICS (USA), LLC	04/29/2021
MARANTZ AMERICA LLC	04/29/2021
D & M SALES & MARKETING AMERICAS LLC	04/29/2021
D&M DIRECT, INC.	04/29/2021
D&M PREMIUM SOUND SOLUTIONS, LLC	04/29/2021
EQUITY INTERNATIONAL LLC	04/29/2021

**RECEIVING PARTY DATA**

<b>Name:</b>	BANK OF AMERICA, N.A., AS COLLATERAL AGENT
<b>Street Address:</b>	GATEWAY VILLAGE - 900 BUILDING
<b>Internal Address:</b>	NC1-026-06-09, (MACLEGAL), 900 W TRADE ST.
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28255

**PROPERTY NUMBERS Total: 94**

Property Type	Number
Patent Number:	6896096
Patent Number:	9241206
Patent Number:	9609437
Patent Number:	9866967
Patent Number:	8526655

PATENT

Property Type	Number
Patent Number:	7201252
Patent Number:	10244312
Patent Number:	7366318
Patent Number:	7510048
Patent Number:	D529018
Patent Number:	D529478
Patent Number:	D531617
Patent Number:	D530312
Patent Number:	D547302
Patent Number:	D546815
Patent Number:	D588577
Patent Number:	6792125
Patent Number:	6845840
Patent Number:	6748627
Patent Number:	7272237
Patent Number:	7171010
Patent Number:	7171013
Patent Number:	8325965
Patent Number:	7986804
Patent Number:	8385561
Patent Number:	6539210
Patent Number:	7203773
Patent Number:	7343435
Patent Number:	7305694
Patent Number:	7593649
Patent Number:	7995899
Patent Number:	7734850
Patent Number:	8755667
Patent Number:	D621385
Patent Number:	D623170
Patent Number:	6728389
Patent Number:	7684582
Patent Number:	8014545
Patent Number:	8243963
Patent Number:	8995697
Patent Number:	8971560
Patent Number:	9129588
Patent Number:	9185478

<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9538268
<b>Patent Number:</b>	9282410
<b>Patent Number:</b>	9426576
<b>Patent Number:</b>	7162049
<b>Patent Number:</b>	7043034
<b>Patent Number:</b>	7039212
<b>Patent Number:</b>	6937737
<b>Patent Number:</b>	6937738
<b>Patent Number:</b>	7817812
<b>Patent Number:</b>	7231053
<b>Patent Number:</b>	7540460
<b>Patent Number:</b>	8194874
<b>Patent Number:</b>	8634586
<b>Patent Number:</b>	8638968
<b>Patent Number:</b>	9131311
<b>Patent Number:</b>	9185490
<b>Patent Number:</b>	8781148
<b>Patent Number:</b>	9226091
<b>Patent Number:</b>	9226060
<b>Patent Number:</b>	9288566
<b>Patent Number:</b>	9277044
<b>Patent Number:</b>	9374640
<b>Patent Number:</b>	10327064
<b>Patent Number:</b>	10327086
<b>Patent Number:</b>	10657949
<b>Patent Number:</b>	9767786
<b>Patent Number:</b>	9807484
<b>Patent Number:</b>	9894451
<b>Patent Number:</b>	10341793
<b>Patent Number:</b>	10192539
<b>Patent Number:</b>	10349158
<b>Patent Number:</b>	10567893
<b>Patent Number:</b>	10462590
<b>Patent Number:</b>	10652678
<b>Patent Number:</b>	7519400
<b>Application Number:</b>	14726109
<b>Application Number:</b>	16259700
<b>Application Number:</b>	16415492

Property Type	Number
Application Number:	16735753
Application Number:	16848490
Application Number:	16848944
Application Number:	62767965
Application Number:	62805044
Application Number:	62815252
Application Number:	62821805
Application Number:	62837561
Application Number:	62866378
Application Number:	62879889
Application Number:	10560777
Application Number:	61941923
Application Number:	10660447

**CORRESPONDENCE DATA**

**Fax Number:**

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 800-494-5225

**Email:** ipteam@cogencyglobal.com

**Correspondent Name:** JAY DASILVA

**Address Line 1:** 1025 CONNECTICUT AVE., NW, STE. 712

**Address Line 4:** WASHINGTON, D.C. 20036

<b>ATTORNEY DOCKET NUMBER:</b>	1370203 PAT D
<b>NAME OF SUBMITTER:</b>	THERESA VOLANO
<b>SIGNATURE:</b>	/Theresa Volano/
<b>DATE SIGNED:</b>	05/10/2021

**Total Attachments: 16**

- source=D - Sound United - First Lien Patent Security Agreement - Filing#page3.tif
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## FIRST LIEN PATENT SECURITY AGREEMENT

This FIRST LIEN PATENT SECURITY AGREEMENT (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Patent Security Agreement") dated as of April 29, 2021, is made by the Persons listed on the signature pages hereof (collectively, the "Grantors") in favor of BANK OF AMERICA, N.A. ("Bank of America") as Collateral Agent (the "Collateral Agent") for the Secured Parties. Capitalized terms used herein and not otherwise defined herein shall have the meanings assigned to such terms in the Credit Agreement and the U.S. Security Agreement referred to therein.

WHEREAS, DEI SALES, INC., a Florida corporation (the "Borrower"), DEI HOLDINGS, INC., a Florida corporation ("Parent"), Bank of America, as Administrative Agent and as Collateral Agent, each Lender from time to time party thereto (collectively, the "Lenders" and individually, a "Lender") and each other party thereto have entered into the First Lien Term Loan Credit Agreement dated as of April 29, 2021 (the "Closing Date") (as amended, restated, amended and restated, extended, supplemented or otherwise modified from time to time, the "Credit Agreement"), pursuant to which the Lenders have severally agreed to make Loans upon the terms and subject to the conditions therein.

WHEREAS, in connection with the Credit Agreement, the Grantors have entered into the U.S. Security Agreement dated as of the Closing Date (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement") in order to induce the Lenders to make Loans.

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in, among other property, certain Intellectual Property of the Grantors, and have agreed as a condition thereof to execute this Patent Security Agreement for recording with the United States Patent and Trademark Office.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

SECTION 1. Grant of Security. Each Grantor hereby grants to the Collateral Agent for the benefit of the Secured Parties a security interest in all of such Grantor's right, title and interest in and to the following (the "Collateral"):

- (a) all issued and pending Patents (as defined in the Security Agreement) in the United States Patent and Trademark Office, including those set forth in Schedule A hereto.

SECTION 2. Security for Obligations. The grant of a security interest in the Collateral by each Grantor under this Patent Security Agreement secures the payment of all Obligations of such Grantor now or hereafter existing under or in respect of the Loan Documents, whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise. Without limiting the generality of the foregoing, this Patent Security Agreement secures, as to each Grantor, the payment of all amounts that constitute part of the secured Obligations and that would be owed by such Grantor to any Secured Party under the Loan Documents but for the fact that such secured Obligations are unenforceable or not allowable due to the existence of a bankruptcy, reorganization or similar proceeding involving a Loan Party.

SECTION 3. Recordation. This Patent Security Agreement has been executed and delivered by the Grantors for the purpose of recording the grant of security interest herein with the United States Patent

and Trademark Office. Each Grantor authorizes and requests that the Commissioner for Patents and the Commissioner for Trademarks record this Patent Copyright Security Agreement.

SECTION 4. Execution in Counterparts. This Patent Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Delivery of an executed counterpart of a signature page to this Patent Security Agreement by facsimile or other electronic transmission (including “.pdf” or “.tif” files) shall be effective as delivery of an original executed counterpart of this Patent Security Agreement. The words "execution," "signed," "signature," and words of similar import in this Patent Security Agreement or any notice, certificate, document, agreement or instrument in respect thereof shall be deemed to include electronic or digital signatures or the keeping of records in electronic form, each of which shall be of the same effect, validity and enforceability as manually executed signatures or a paper-based recordkeeping system, as the case may be, to the extent and as provided for under applicable law, including the Electronic Signatures in Global and National Commerce Act of 2000, the Electronic Signatures and Records Act of 1999, or any other similar state Laws based on the Uniform Electronic Transactions Act.

SECTION 5. Grants, Rights and Remedies. This Patent Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Patent Security Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 6. Governing Law. This Patent Security Agreement] shall be governed by, and construed in accordance with, the laws of the State of New York.

SECTION 7. Conflict. Notwithstanding any provision to the contrary in this Patent Security Agreement, in the event of any conflict or inconsistency between the provisions of the Security Agreement and this Patent Security Agreement, the provisions of the Security Agreement shall prevail.

SECTION 8. Severability. In case any one or more of the provisions contained in this Patent Security Agreement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and in the Security Agreement shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties hereto shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

[Signature Pages Follow]

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**DEI SALES, INC.,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**DEI HOLDINGS, INC.**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**SOUND UNITED, LLC,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**POLK AUDIO, LLC,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**DEFINITIVE TECHNOLOGY, LLC,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer



**D&M HOLDINGS U.S. INC.,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**THE SPEAKER COMPANY,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**DENON ELECTRONICS (USA), LLC,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**MARANTZ AMERICA LLC,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**D & M SALES & MARKETING AMERICAS LLC,**  
as an Initial Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**D&M DIRECT, INC.,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**BOSTON ACOUSTICS, INC.,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**D&M PREMIUM SOUND SOLUTIONS, LLC,**  
as a Grantor

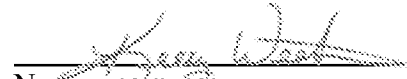
By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

**EQUITY INTERNATIONAL LLC,**  
as a Grantor

By:   
Name: Scott St. Clair  
Title: Chief Financial Officer

BANK OF AMERICA, N.A.,  
as Collateral Agent

By:

  
Name: Kelly Weaver  
Title: Vice President

[Signature Page to First Lien Patent Security Agreement (DEI Sales, Inc.)]

**PATENT**  
**REEL: 056193 FRAME: 0240**

SCHEDULE A

United States Patents and Patent Applications

**Registered Patents:**

<b>Registered owner/ Grantor</b>	<b>Patent Title</b>	<b>Application No.</b>	<b>Filing Date</b>	<b>Patent No.</b>	<b>Patent Issue Date</b>
B & W Group Ltd	ACOUSTIC STRUCTURES	10/333203	2012/12/06	6896096	3-Apr-17
B & W Group Ltd	DECOUPLED DRIVE UNIT FOR A LOUDSPEAKER ENCLOSURE	14/362673	2001/07/21	9241206	24-May-05
B & W Group Ltd	DIAPHRAGMS FOR LOUDSPEAKER DRIVE UNITS	14/428174	2012/12/06	9609437	19-Jan-16
B & W Group Ltd	DIAPHRAGMS FOR LOUDSPEAKER DRIVE UNITS	15/431875	2013/07/31	9866967	28-Mar-17
B & W Group Ltd	LOUDSPEAKER ENCLOSURES FOR MOUNTING IN AN APERTURE IN A CAVITY WALL	12/872548	2017/02/14	8526655	9-Jan-18
B & W Group Ltd	LOUDSPEAKER SYSTEMS	10/490359	2010/08/31	7201252	3-Sep-13
B & W Group Ltd	LOUDSPEAKERS	15/031854	2002/09/12	10244312	10-Apr-07
B & W Group Ltd	SUSPENSION FOR THE VOICE COIL OF A LOUDSPEAKER DRIVE UNIT	10/526544	2014/10/23	7366318	26-Mar-19
B & W Group Ltd	DIAPHRAGMS FOR LOUDSPEAKER DRIVE UNITS	10/560777	2003/09/01	7510048	29-Apr-08
B & W Group Ltd	ACOUSTIC STRUCTURES	10/333203	2012/12/06	6896096	3-Apr-17
B & W Group Ltd	DECOUPLED DRIVE UNIT FOR A LOUDSPEAKER ENCLOSURE	14/362673	2001/07/21	9241206	24-May-05
Boston Acoustics, Inc.	RADIO AND COMPACT DISC PLAYER	29/222,745	2/3/2005	D529,018	2006/9/26
Boston Acoustics, Inc.	RADIO	29/226,761	3/31/2005	D529,478	2006/10/3
Boston	SPEAKER	29/226,763	3/31/2005	D531,617	2006/11/7

Acoustics, Inc.					
Boston Acoustics, Inc.	AUDIO SPEAKER HOUSING	29/237,820	9/7/2005	D530,312	2006/10/17
Boston Acoustics, Inc.	AUDIO SPEAKER	29/237,824	9/7/2005	D547,302	2007/7/24
Boston Acoustics, Inc.	AUDIO SPEAKER	29/237,825	9/7/2005	D546,815	2007/7/17
Boston Acoustics, Inc.	LOUD SPEAKER	29/283,597	8/17/2007	D588,577	2009/3/17
Boston Acoustics, Inc.	Pivotable Speaker Mounting Apparatus (Boston Acoustics In-House Title: VRi In-Walls (Except Subs))	09/644,468	8/23/2000	6,792,125	2004/9/14
Boston Acoustics, Inc.	Surface Mounted Loudspeaker and Bracket for the Mounting Thereof (Boston Acoustics In-House Title: Bravo, Bravo II)	09/925,570	8/9/2001	6,845,840	2005/1/25
Boston Acoustics, Inc.	Combination Handle and Cabinet Fastener (Boston Acoustics In-House Title: BT)	10/256,273	9/26/2002	6,748,627	2004/6/15
Boston Acoustics, Inc.	Audio Speaker Having a Removable Voice Coil (Boston Acoustics In-House Title: Removable Voice Coil)	10/446,298	5/28/2003	7,272,237	2007/9/18
Boston Acoustics, Inc.	Dynamic Bass Boost Apparatus and Method (Boston Acoustics In-House Title: Dynamic Bass Boost Digital)	10/660,447	9/11/2003	7,171,010	2007/1/30
Boston Acoustics, Inc.	Loud Speaker (Boston Acoustics In-House Title: Boston 3-Way In-Ceiling Speaker)	10/672,782	9/26/2003	7,171,013	2007/1/30
Boston Acoustics, Inc.	Audio Speaker Having a Tweeter Capable of Continuous Rotation	11/649,716	1/4/2007	8,325,965	2012/4/12
Boston Acoustics, Inc.	Audio Speaker Having a Removable Voice Coil (Boston Acoustics In-House Title: Removable Voice Coil)	11/778,371	7/16/2007	7,986,804	2011/7/26
Boston Acoustics, Inc.	Dynamic Bass Boost Apparatus and Method	10/660,447	2003/09/11	2,538,809	2013/01/29
D&M Holdings U.S.	DIGITAL POWER LINK AUDIO DISTRIBUTION	11/373,505	2006/3/13	8,385,561	2013/2/26

Inc.	SYSTEM AND COMPONENTS THEREOF				
D&M Holdings U.S. Inc.	Automated Assignment and Tuning of Radio Call Letters to Radio Presets	09/689,725	10/13/2000	6,539,210	2003/3/25
D&M Holdings U.S. Inc.	Multi-Protocol A/V Control Port with Selective Modulation	10/656,048	9/4/2003	7,203,773	2007/4/10
D&M Holdings U.S. Inc.	Stream Based Compressed File Download With Interruption Recovery	10/705,084	11/10/2003	7,343,435	2008/3/11
D&M Holdings U.S. Inc.	Method and Apparatus for Remotely Controlling a Receiver According to Content and User Selection	10/935,068	9/7/2004	7,305,694	2007/12/4
D&M Holdings U.S. Inc.	Method and Apparatus for Wired Infrared Demodulation	10/935,517	9/7/2004	7,593,649	2009/9/22
D&M Holdings U.S. Inc.	Apparatus, Method and Database for Control of Audio/Video Equipment	11/455,535	6/19/2006	7,995,899	2011/8/9
D&M Holdings U.S. Inc.	Method for stream based compressed file download with interruption recovery and further decompressing and de-archiving data in filesystem	12/016,047	1/17/2008	7,734,850	2010/6/8
D&M Holdings U.S. Inc.	Data Entry Via On-Screen Display	12/140,213	6/16/2008	8,755,667	2014/6/17
Definitive Technology, LLC	SPEAKER	29/346,841	11/6/2009	D621,385	2010/8/10
Definitive Technology, LLC	SUBWOOFER	29/346,844	11/6/2009	D623,170	2010/9/7
Definitive Technology, LLC	MEMBRANE SUPPORT SYSTEM	10/420,147	2003/4/22	6,728,389	2004/4/27
Definitive Technology, LLC	ELECTRODYNAMIC ACOUSTIC TRANSDUCER	11/202,436	2005/8/11	7,684,582	2010/3/23
Definitive Technology, LLC	Ceiling or Wall Mounted Loudspeaker System with Anti-Diffraction Wave Launch Device	11/641,446	2006/12/18	8,014,545	2011/9/6

Definitive Technology, LLC	Swivel Tweeter Mechanism for a Constant Phase Coaxial Acoustic Transducer	12/456,542	2009/6/18	8,243,963	2012/8/14
Definitive Technology, LLC	BIPOLAR SPEAKER WITH IMPROVED CLARITY	13/162,294	2011/6/16	8,995,697	2015/3/31
Definitive Technology, LLC	SOUND SYSTEM FOR PORTABLE DEVICES	13/620,812	2012/9/15	8,971,560	2015/3/3
Definitive Technology, LLC	CONFIGURABLE NOISE CANCELLING SYSTEM	13/620,807	2012/9/15	9,129,588	2015/9/8
Definitive Technology, LLC	RUGGEDIZED SOUND SYSTEM	13/620,802	2012/9/15	9,185,478	2015/11/10
Definitive Technology, LLC	Complementary Asymmetric Transducer Configuration for lower distortion and extended range	14/286,778	2014/5/23	9,538,268	2017/1/3
Definitive Technology, LLC	Transducer Motor Structure with Enhanced Flux	14/338,088	2014/7/22	9,282,410	2016/3/8
Definitive Technology, LLC	LOUDSPEAKER AND ELECTRODYNAMIC ACOUSTIC TRANSDUCER WITH BULBOUS WAVEGUIDE TIP	14/631,031	2015/2/25	9,426,576	2016/8/23
Definitive Technology, LLC	MEMBRANE SUPPORT SYSTEM	10/420,147	2003/4/22	6,728,389	2004/4/27
Definitive Technology, LLC	ELECTRODYNAMIC ACOUSTIC TRANSDUCER	11/202,436	2005/8/11	7,684,582	2010/3/23
Definitive Technology, LLC	Ceiling or Wall Mounted Loudspeaker System with Anti-Diffraction Wave Launch Device	11/641,446	2006/12/18	8,014,545	2011/9/6
Definitive Technology, LLC	Swivel Tweeter Mechanism for a Constant Phase Coaxial Acoustic Transducer	12/456,542	2009/6/18	8,243,963	2012/8/14
Definitive Technology, LLC	BIPOLAR SPEAKER WITH IMPROVED CLARITY	13/162,294	2011/6/16	8,995,697	2015/3/31
Definitive Technology, LLC	SOUND SYSTEM FOR PORTABLE DEVICES	13/620,812	2012/9/15	8,971,560	2015/3/3

Definitive Technology, LLC	CONFIGURABLE NOISE CANCELLING SYSTEM	13/620,807	2012/9/15	9,129,588	2015/9/8
Definitive Technology, LLC	RUGGEDIZED SOUND SYSTEM	13/620,802	2012/9/15	9,185,478	2015/11/10
Definitive Technology, LLC	Complementary Asymmetric Transducer Configuration for lower distortion and extended range	14/286,778	2014/5/23	9,538,268	2017/1/3
Definitive Technology, LLC	Transducer Motor Structure with Enhanced Flux	14/338,088	2014/7/22	9,282,410	2016/3/8
Definitive Technology, LLC	LOUDSPEAKER AND ELECTRODYNAMIC ACOUSTIC TRANSDUCER WITH BULBOUS WAVEGUIDE TIP	14/631,031	2015/2/25	9,426,576	2016/8/23
Polk Audio, LLC	PORTED LOUDSPEAKER SYSTEM AND METHOD WITH REDUCED AIR TURBULENCE, BIPOLAR RADIATION PATTERN AND NOVEL APPEARANCE	10/337,347	2003/1/7	7,162,049	2007/1/9
Polk Audio, LLC	LOUDSPEAKER WITH SINGLE OR DUAL CHANNEL INPUT SELECTOR AND LOCKOUT	10/660,733	2003/9/12	7,043,034	2006/5/9
Polk Audio, LLC	WEATHER RESISTANT PORTING	10/660,727	2003/9/12	7,039,212	2006/5/2
Polk Audio, LLC	MULTI-CHANNEL AUDIO SURROUND SOUND FROM FRONT LOCATED LOUDSPEAKERS	10/692,692	2003/10/27	6,937,737	2005/8/30
Polk Audio, LLC	MULTI-CHANNEL AUDIO SURROUND SOUND FROM FRONT LOCATED LOUDSPEAKERS	10/692,693	2003/10/28	6,937,738	2005/8/31
Polk Audio, LLC	COMPACT AUDIO REPRODUCTION SYSTEM WITH LARGE PERCEIVED	11/139,611	2005/5/31	7,817,812	2010/10/19



	ACOUSTIC SIZE AND IMAGE				
Polk Audio, LLC	ENHANCED MULTI-CHANNEL AUDIO SURROUND SOUND FROM FRONT LOCATED LOUDSPEAKERS	11/147,447	2005/6/8	7,231,053	2007/6/12
Polk Audio, LLC	MOUNTING ASSEMBLY	11/454,961	2006/6/16	7,540,460	2009/6/2
Polk Audio, LLC	In-Room Acoustic Magnitude Response Smoothing via Phase Summation of Correction Signal	12/153,623	2008/5/21	8,194,874	2012/6/5
Polk Audio, LLC	CEILING-MOUNTED LOUDSPEAKER ENCLOSURE	12/823,852	2010/6/25	8,634,586	2014/1/21
Polk Audio, LLC	LOW-PROFILE LOUDSPEAKER DRIVER AND ENCLOSURE ASSEMBLY	12/982,584	2010/12/30	8,638,968	2014/1/28
Polk Audio, LLC	Canal phones with structure and method for selectively passing or blocking environmental ambient sound and switchable electrical connections	13/253,768	2011/10/5	9,131,311	2015/9/8
Polk Audio, LLC	Single Enclosure Surround Sound Loudspeaker System and Method	13/295,972	2011/11/14	9,185,490	2015/11/10
Polk Audio, LLC	HEADPHONE HAVING INTEGRATED CORD STORAGE	13/620,798	2012/9/15	8,781,148	2014/7/15
Polk Audio, LLC	ACOUSTIC SURROUND IMMERSION CONTROL SYSTEM AND METHOD	14/031,032	2013/9/18	9,226,091	2015/12/29
Polk Audio, LLC	PERSONALIZED MODULAR HEADPHONE SYSTEM AND METHOD	14/093,368	2013/11/29	9,226,060	2015/12/29
Polk Audio, LLC	HEADPHONES WITH CORD MANAGEMENT SYSTEM	14/106,668	2013/12/13	9,288,566	2016/3/15
Polk Audio,	Transportable Wireless	14/269,549	2014/5/5	9,277,044	2016/3/1

LLC	Loudspeaker and System and Method for managing Multi-User Wireless Media Playback over a Media Playback System				
Polk Audio, LLC	Method and System for Optimizing Center Channel Performance in a Single Enclosure Multi-Element Loudspeaker Line Array	14/563,508	2014/12/8	9,374,640	2016/6/21
Polk Audio, LLC	Method and System for implementing Stereo Dimensional Array signal processing in a Compact Single Enclosure Active Loudspeaker Product	15/796,303	2017/10/27	10,327,064	2019/6/18
Polk Audio, LLC	Head Related Transfer Function Equalization and Transducer Aiming of Stereo Dimensional Array (SDA) Loudspeakers	15/965,713	2018/4/27	10,327,086	2019/6/18
Sound United, LLC	SYSTEM AND METHOD FOR INTEGRATING A HOME MEDIA SYSTEM AND OTHER HOME SYSTEMS	14/752,505	2015/6/26	10,657,949	2020/5/19
Sound United, LLC	System and Method for Providing a Quiet Zone	14/833,723	2015/8/24	9,767,786	2017/9/19
Sound United, LLC	Loudspeker System	14/873,730	2015/10/2	9,807,484	2017/10/31
Sound United, LLC	MULTI-ZONE MEDIA SYSTEM AND METHOD FOR PROVIDING MULTI-ZONE MEDIA	15/445,291	2017/2/28	9,894,451	2018/2/13
Sound United, LLC	SYSTEM AND METHOD FOR PROVIDING USER LOCATION-BASED MULTI-ZONE MEDIA	15/645,447	2017/7/10	10,341,793	2019/7/2
Sound United, LLC	System and Method for Providing a Quiet Zone	15/708,812	2017/9/19	10,192,539	2019/1/29
Sound United, LLC	Loudspeaker System	15/786,232	2017/10/17	10,349,158	2019/7/9
Sound United, LLC	MULTI-ZONE MEDIA SYSTEM AND METHOD FOR PROVIDING MULTI-	15/894,591	2018/2/12	10,567,893	2020/2/18

	<b>ZONE MEDIA</b>				
Sound United, LLC	SYSTEM AND METHOD FOR PROVIDING USER LOCATION-BASED MULTI-ZONE MEDIA	16/415,462	2019/5/17	10,462,590	2019/10/29
Sound United, LLC	SYSTEM AND METHOD FOR PROVIDING USER LOCATION-BASED MULTI-ZONE MEDIA	16/558,761	2019/9/3	10,652,678	2020/5/12
DEI Sales, Inc.	MULTI-MODULATION REMOTE CONTROL COMMUNICATION SYSTEM	11/140,623	2005/5/27	7,519,400	2009/4/14

**Pending Patent Applications:**

Country	Title	Application No.	Filing Date (yyyy/mm/dd)
Sound United, LLC	SYSTEM AND METHOD FOR SELECTING AND PROVIDING ZONE-SPECIFIC MEDIA	14/726,109	2015/5/29
Sound United, LLC	SYSTEM AND METHOD FOR PROVIDING A QUIET ZONE	16/259,700	2019/1/28
Sound United, LLC	LOUDSPEAKER SYSTEM	16/415,492	2019/5/17
Sound United, LLC	MULTI-ZONE MEDIA SYSTEM AND METHOD FOR PROVIDING MULTI-ZONE MEDIA	16/735,753	2020/1/7
Sound United, LLC	SYSTEM AND METHOD FOR INTEGRATING A HOME MEDIA SYSTEM AND OTHER HOME SYSTEMS	16/848,490	2020/4/14
Sound United, LLC	SYSTEM AND METHOD FOR PROVIDING USER LOCATION-BASED MULTI-ZONE MEDIA	16/848,944	2020/4/15
Polk Audio, LLC	Loudspeaker system with overhead sound image generating elevation module and method and apparatus for direct signal cancellation	62/767,965	2018/11/15
Polk Audio, LLC	Challenger Tweeter	62/805,044	2019/2/13
Polk Audio, LLC	ATMOS Soundbat with Cancellation (Starobin)	62/815,252	2019/3/7
Polk Audio, LLC	Intelligent Hybrid Active-Passive Bas (Max Project)	62/821,805	2019/3/21
Polk Audio, LLC	Eigentone Resonance Absorbing Port, and Method	62/837,561	2019/4/23
Polk Audio, LLC	Tool-free installation Method and Apparatus for Aligning and Securing or Installing Loudspeakers in Ceiling	62/866,378	2019/6/25
Polk Audio, LLC	Driver with Turbine shaped features in diaphragm and resonance mode control method	62/879,889	2019/7/29
B & W GROUP LTD	PX HEADPHONES - DUAL ACOUSTIC PATH FOR BALANCE OF AUDIO AND PASSIVE ISOLATION	US10/560777	2018/08/02
Definitive Technology,	Detachable Overhead Sound Image	61/941,923	2014/2/19

Country	Title	Application No.	Filing Date (yyyy/mm/dd)
LLC			

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**RECORDED: 05/10/2021**

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