

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
JAWB ACQUISITION LLC		05/18/2021
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	JI AUDIO HOLDINGS LLC	
<b>Street Address:</b>	PO BOX 5718	
<b>City:</b>	ENGLEWOOD	
<b>State/Country:</b>	NEW JERSEY	
<b>Postal Code:</b>	07631	
<b>PROPERTY NUMBERS Total: 77</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	10159770	
Application Number:	10400282	
Application Number:	10769302	
Application Number:	12243718	
Application Number:	10667207	
Application Number:	13037057	
Application Number:	12139355	
Application Number:	12139333	
Application Number:	12139361	
Application Number:	12163592	
Application Number:	13431725	
Application Number:	12163617	
Application Number:	12163647	
Application Number:	12163675	
Application Number:	12606140	
Application Number:	12606146	
Application Number:	12772975	
Application Number:	12772963	
Application Number:	13753441	
Application Number:	12826643	

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Property Type	Number
Application Number:	12826658
Application Number:	12772947
Application Number:	13959709
Application Number:	13184429
Application Number:	13184422
Application Number:	13436765
Application Number:	13420568
Application Number:	11199856
Application Number:	12006607
Application Number:	13942623
Application Number:	12123364
Application Number:	11859460
Application Number:	11860004
Application Number:	11982956
Application Number:	14519116
Application Number:	12039718
Application Number:	12354689
Application Number:	13246617
Application Number:	12244670
Application Number:	12756051
Application Number:	12882482
Application Number:	12886919
Application Number:	13069264
Application Number:	13069244
Application Number:	13209047
Application Number:	13117539
Application Number:	13270976
Application Number:	13374746
Application Number:	13346719
Application Number:	13364781
Application Number:	13421576
Application Number:	14640013
Application Number:	13802646
Application Number:	13831485
Application Number:	13802674
Application Number:	13919307
Application Number:	13952532
Application Number:	13957337

Property Type	Number
Application Number:	14144517
Application Number:	13561033
Application Number:	13247975
Application Number:	11704552
Application Number:	14188602
Application Number:	13831698
Application Number:	14215051
Application Number:	14210234
Application Number:	13830770
Application Number:	13802266
Application Number:	14243747
Application Number:	13954331
Application Number:	13954367
Application Number:	13959683
Application Number:	13948160
Application Number:	11392094
Application Number:	12649170
Application Number:	13069275
Application Number:	12139344

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<b>NAME OF SUBMITTER:</b>	MARK S. LEONARDO
<b>SIGNATURE:</b>	/Mark S. Leonardo/
<b>DATE SIGNED:</b>	05/20/2021

#### Total Attachments: 7

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## ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, JAWB Acquisition LLC, a New Jersey limited liability company ("**Assignor**"), does hereby sell, assign, transfer, and convey unto JI Audio Holdings LLC, a Texas limited liability company ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to all of the following (collectively, the "**Patent Rights**"):

- (a) the patent applications and patents listed in the **Attachment** hereto, including all patents that may issue from such patent applications ("**Listed Patents**"),
- (b) all patents or patent applications that are current or future reissues, reexaminations, or other post-grant review, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, reissues or divisionals of any of the Listed Patents;
- (c) rights to file applications in any or all countries throughout the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Listed Patents or any of the items described in the foregoing category (b), and all rights that may result from such applications; and
- (d) causes of action and enforcement rights under any claim(s) of any of the Listed Patents or any of the items described in the foregoing categories (b) or (c), including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain damages or any other remedies of any kind for past, current and future infringement of any of the Listed Patents or any of the items described in the foregoing categories (b) and (c).


Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

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

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Englewood, NJ on this  
18th day of May, 2021.

ASSIGNOR

JAWB ACQUISITION LLC

By:   
Name: Daniel Setton  
Title: Authorized Signatory

*(Signature MUST be attested)*

**ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. §1746**

The undersigned witnessed the signature of Daniel Setton to the above Assignment  
of Patent Rights on behalf of JAWB Acquisition LLC and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation  
block if called upon to do so.
2. Daniel Setton is personally known to me (or proved to me on the basis of  
satisfactory evidence) and appeared before me on May 18, 2021 to execute  
the above Assignment of Patent Rights on behalf of JAWB Acquisition LLC
3. Daniel Setton subscribed to the above Assignment of Patent Rights on behalf  
of JAWB Acquisition LLC.

I declare under penalty of perjury under the laws of the United States of America that the  
statements made in the three (3) numbered paragraphs immediately above are true and  
correct.

EXECUTED on May 18, 2021 (date)

By: 

Print Name: Witness Setton

## Attachment

### Listed Patents

Patent / Publication Number	Application Number	Title	USPTO ID	INPADOC Family ID
<u>US7246058</u>	US10/159770	Detecting voiced and unvoiced speech using both acoustic and nonacoustic sensors	27583771	20020124CA2416926A1
<u>US8467543</u>	US10/400282	Microphone and voice activity detection (vad) configurations for use with communication systems	28675460	20020124CA2416926A1
<u>KR101434071</u>	KR20127018648	Microphone and voice activity detection vad configurations for use with communication systems	28675460	20020124CA2416926A1
<u>US7433484</u>	US10/769302	Acoustic vibration sensor	32825375	20020124CA2416926A1
<u>US8130984</u>	US12/243718	Acoustic vibration sensor	32825375	20020124CA2416926A1
<u>US8019091</u>	US10/667207	Voice activity detector (vad) - based multiple-microphone acoustic noise suppression	34375865	20020124CA2416926A1
<u>US9196261</u>	US13/037057	Voice activity detector (vad)based multiple-microphone acoustic noise suppression	34375865	20020124CA2416926A1
<u>TWI281354</u>	TW20040126610	Voice activity detector (vad)-based multiple-microphone acoustic noise suppression	34375865	20020124CA2416926A1
<u>US8494177</u>	US12/139355	Virtual microphone array systems using dual omindirectional microphone array (doma)	40156641	20020124CA2416926A1
<u>US8503691</u>	US12/139333	Virtual microphone arrays using dual omnidirectional microphone array (doma)	40156641	20020124CA2416926A1
<u>US8503692</u>	US12/139361	Forming virtual microphone arrays using dual omnidirectional microphone array (doma)	40156641	20020124CA2416926A1
<u>US8837746</u>	US12/139344	Dual omnidirectional microphone array (doma)	40156641	20020124CA2416926A1
<u>US8254617</u>	US12/163592	Microphone array with rear venting	40160553	20020124CA2416926A1
<u>US10225649</u>	US13/431725	Microphone array with rear venting	40221456	20020124CA2416926A1
<u>US8280072</u>	US12/163617	Microphone array with rear venting	40221456	20020124CA2416926A1
<u>US9099094</u>	US12/163647	Microphone array with rear venting	40221457	20020124CA2416926A1
<u>US8477961</u>	US12/163675	Microphone array with rear venting	40221458	20020124CA2416926A1

<u>US8326611</u>	US12/606140	Acoustic voice activity detection (avad) for electronic systems	42196283	20020124CA2416926A1
<u>US8321213</u>	US12/606146	Acoustic voice activity detection (avad) for electronic systems	42196289	20020124CA2416926A1
<u>US8488803</u>	US12/772975	Wind suppression/replacement component for use with electronic systems	43030356	20020124CA2416926A1
<u>US8452023</u>	US12/772963	Wind suppression/replacement component for use with electronic systems	43031061	20020124CA2416926A1
<u>US8942383</u>	US13/753441	Wind suppression/replacement component for use with electronic systems	43031061	20020124CA2416926A1
<u>US8699721</u>	US12/826643	Calibrating a dual omnidirectional microphone array (doma)	43624944	20020124CA2416926A1
<u>US8731211</u>	US12/826658	Calibrated dual omnidirectional microphone array (doma)	43624945	20020124CA2416926A1
<u>US8503686</u>	US12/772947	Vibration sensor and acoustic voice activity detection system (vads) for use with electronic systems	44904034	20020124CA2416926A1
<u>US9263062</u>	US13/959709	Vibration sensor and acoustic voice activity detection systems (vads) for use with electronic systems	44904034	20020124CA2416926A1
<u>US10218853</u>	US13/184429	Wireless conference call telephone	45469822	20020124CA2416926A1
<u>US8838184</u>	US13/184422	Wireless conference call telephone	45469822	20020124CA2416926A1
<u>US8682018</u>	US13/436765	Microphone array with rear venting	46636893	20020124CA2416926A1
<u>US9066186</u>	US13/420568	Light-based detection for acoustic applications	46831358	20020124CA2416926A1
<u>IN2004DN01347</u>	IN1347/DELNP/2004	Method and apparatus for removing noise from electronic signals.	1118854575	20020124CA2416926A1
<u>US8340309</u>	US11/199856	Noise suppressing multi-microphone headset	36574229	20060608US20060120537A1
<u>US8489136</u>	US12/006607	Wireless link to transmit digital audio data between devices in a manner controlled dynamically to adapt to variable wireless error rates	39494204	20080710US20080168312A1
<u>US9160487</u>	US13/942623	Wireless link to transmit digital audio data between devices in a manner controlled dynamically to adapt to variable wireless error rates	39494204	20080710US20080168312A1
<u>US8625816</u>	US12/123364	Advanced speech encoding dual microphone configuration (dmc)	40075751	20081204WO2008148048A2
<u>US8839342</u>	US11/859460	Audio video system with embedded wireless host and wireless speakers	40471194	20090326US20090079883A1



<u>US8320824</u>	US11/860004	Methods and systems to provide automatic configuration of wireless speakers	40472172	20090326US20090081948A1
<u>US9036835</u>	US11/982956	Combining an audio power amplifier and a power converter in a single device	40588114	20090507US20090116663A1
<u>US10313504</u>	US14/519116	Wireless handsfree headset method and system with handsfree applications	40876906	20090723CA2712272A1
<u>US8055307</u>	US12/039718	Wireless handsfree headset method and system with handsfree applications	40876906	20090723CA2712272A1
<u>US8452347</u>	US12/354689	Headset and audio gateway system for execution of voice input driven applications	40876906	20090723CA2712272A1
<u>US8509690</u>	US13/246617	Wireless handsfree headset method and system with handsfree applications	40876906	20090723CA2712272A1
<u>US8503596</u>	US12/244670	Wireless clock regeneration and synchronization	42075814	20100408US20100086093A1
<u>US9389829</u>	US12/756051	Spatial user interface for audio system	42936586	20101014CA2757982A1
<u>CN202948437</u>	CN2010900881U	System and apparatus for generating user interface, and user interface used for system, device or application	42936586	20101014CA2757982A1
<u>US8842848</u>	US12/882482	Multi-modal audio system with automatic usage mode detection and configuration capability	43759013	20110324CA2774534A1
<u>US9003429</u>	US12/886919	System and method of enabling additional functions or services of device by use of transparent gateway or proxy	43796180	20110331CA2775084A1
<u>CA2775084</u>	CA20102775084	System and method of enabling additional functions or services of device by use of transparent gateway or proxy	43796180	20110331CA2775084A1
<u>US10212527</u>	US13/069264	Pipe calibration system for omnidirectional microphones	44673580	20110929CA2794148A1
<u>US9288598</u>	US13/069275	Pipe calibration method for omnidirectional microphones	44673580	20110929CA2794148A1
<u>US9344823</u>	US13/069244	Pipe calibration device for calibration of omnidirectional microphones	44673580	20110929CA2794148A1
<u>US9031246</u>	US13/209047	Calibration system with clamping system	45567957	20110929CA2794148A1
<u>US8817642</u>	US13/117539	Efficient pairing of networked devices	45353552	20111229CA2803295A1
<u>US8804986</u>	US13/270976	Acoustic transducer including airfoil for generating sound	45934182	20120419CA2807437A1
<u>US10218327</u>	US13/374746	Dynamic enhancement of audio (dae) in headset systems	46637578	20120719CA2824384A1

<u>US10230346</u>	US13/346719	Acoustic voice activity detection	46637578	20120719CA2824384A1
<u>CA2824384</u>	CA20122824384	Acoustic voice activity detection	46637578	20120719CA2824384A1
<u>CA2824439</u>	CA20122824439	Dynamic enhancement of audio (dae) in headset systems	46637578	20120719CA2824384A1
<u>US9071695</u>	US13/364781	Antenna optimization dependent on user context	46600987	20120809CA2837700A1
<u>US9166289</u>	US13/421576	Apparatus and method for determining relative direction of a wireless peer device from another device	46828865	20120920CA2830433A1
<u>US10210739</u>	US14/640013	Proximity-based control of media devices	51525105	20121210CA2795978A1
<u>US9319149</u>	US13/802646	Proximity-based control of media devices for media presentations	51525235	20121210CA2795978A1
<u>US9380613</u>	US13/831485	Media device configuration and ecosystem setup	51526809	20121210CA2795978A1
<u>US9282423</u>	US13/802674	Proximity and interface controls of media devices for media presentations	51533353	20121210CA2795978A1
<u>US10219100</u>	US13/919307	Determining proximity for devices interacting with media devices	52106806	20121210CA2795978A1
<u>US10218063</u>	US13/952532	Radio signal pickup from an electrically conductive substrate utilizing passive slits	52390888	20121210CA2795978A1
<u>US10211889</u>	US13/957337	Rf architecture utilizing a mimo chipset for near field proximity sensing and communication	52433007	20121210CA2795978A1
<u>US9294869</u>	US14/144517	Methods, systems and apparatus to affect rf transmission from a non-linked wireless client	53483498	20121210CA2795978A1
<u>US9245514</u>	US13/561033	Speaker with multiple independent audio streams	47601787	20130131CA2819924A1
<u>US9201812</u>	US13/247975	Multiple logical representations of audio functions in a wireless audio transmitter that transmits audio data at different data rates	47597209	20130131CA2857406A1
<u>CA2857406</u>	CA20122857406	Multiple logical representations of audio functions in a wireless audio transmitter that transmits audio data at different data rates	47597209	20130131CA2857406A1
<u>US8810732</u>	US11/704552	Auto-select algorithm for a high-definition multimedia interface switch	51301710	20140819US8810732B1
<u>US9306872</u>	US14/188602	Bluetooth virtualisation	51526750	20140918CA2906906A1
<u>US10212534</u>	US13/831698	Intelligent device connection for wireless media ecosystem	51529250	20140918CA2906908A1

<u>US20140270188</u>	US14/215051	Spatial audio aggregation for multiple sources of spatial audio	51527106	20140918CA2906932A1
<u>US9349282</u>	US14/210234	Proximity sensing device control architecture and data communication protocol	51527182	20140918CA2906939A1
<u>US10219093</u>	US13/830770	Mono-spatial audio processing to provide spatial messaging	51527103	20140918US20140270183A1
<u>US8934654</u>	US13/802266	Non-occluded personal audio and communication system	51527191	20140918US20140270321A1
<u>US10341764</u>	US14/243747	Structures for dynamically tuned audio in a media device	51934028	20141127CA2917235A1
<u>US10219094</u>	US13/954331	Acoustic detection of audio sources to facilitate reproduction of spatial audio spaces	52427691	20150205US20150036847A1
<u>US10225680</u>	US13/954367	Motion detection of audio sources to facilitate reproduction of spatial audio spaces	52427692	20150205US20150036847A1
<u>US10790922</u>	US13/959683			
<u>US10779080</u>	US13/948160			
<u>US11/392094</u>	US11/392094			
<u>US12/649170</u>	US12/649170			
<u>AU2014268639</u>	AU2014268639			
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