

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6548630

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	SONIC IP, LLC	02/05/2021
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NLD HOLDINGS I, LLC	
<b>Street Address:</b>	9444 WAPLES STREET	
<b>Internal Address:</b>	SUITE 210	
<b>City:</b>	SAN DIEGO	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	92121	
<b>PROPERTY NUMBERS Total: 7</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15388466	
<b>Application Number:</b>	16908503	
<b>Patent Number:</b>	9532080	
<b>Patent Number:</b>	9357210	
<b>Patent Number:</b>	9350990	
<b>Patent Number:</b>	10178399	
<b>Patent Number:</b>	10728564	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(949)852-0004	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	9498520000	
<b>Email:</b>	pair@kppb.com	
<b>Correspondent Name:</b>	KPPB LLP	
<b>Address Line 1:</b>	2190 S. TOWNE CENTRE PLACE	
<b>Address Line 2:</b>	SUITE 300	
<b>Address Line 4:</b>	ANAHEIM, CALIFORNIA 92806	
<b>ATTORNEY DOCKET NUMBER:</b>	SONIC TO NLD	
<b>NAME OF SUBMITTER:</b>	KATRINA LEE	
<b>SIGNATURE:</b>	/Katrina Lee/	

PATENT

<b>DATE SIGNED:</b>	02/11/2021
<b>Total Attachments: 6</b> source=sonicassignment#page1.tif source=sonicassignment#page2.tif source=sonicassignment#page3.tif source=sonicassignment#page4.tif source=sonicassignment#page5.tif source=sonicassignment#page6.tif	

**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

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

**1. Name of conveying party(ies)**

SONIC IP, LLC

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

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

Execution Date(s) February 5, 2021

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: NLD HOLDINGS I, LLC

Internal Address: Suite 210

Street Address: 9444 Waples Street

City: San Diego

State: CA

Country: US Zip: 92121

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

**4. Application or patent number(s):**

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

15388466; 16908503

B. Patent No.(s)

9532080; 9357210; 9350990;  
10178399; 10728564

Additional numbers attached? ☐ Yes ☒ No

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

Name: KPPB LLP

Internal Address: Suite 300

Street Address: 2190 S. Towne Centre Place

City: Anaheim

State: CA Zip: 92806

Phone Number: 949.852.0000

Docket Number: SONIC to NLD

Email Address: pair@kppb.com

**6. Total number of applications and patents involved: <sup>7</sup>**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

- ☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized UserName \_\_\_\_\_

**9. Signature:**

/Isaac M. Fine/

Signature

February 11, 2021

Date

Isaac M. Fine

Name of Person Signing

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

**6**

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

## ASSIGNMENT AGREEMENT

WHEREAS, SONIC IP, LLC, a Delaware limited liability company, having a place of business at 4790 Eastgate Mall, Suite 200, San Diego, CA 92121, (**Assignor**) is an assignee of certain new and useful inventions, improvements and/or designs set forth in an application for U.S. patents and patent applications listed in Appendix A (collectively the **Assigned Patents and Patent Applications**).

WHEREAS, NLD HOLDINGS I, LLC, a Delaware limited liability company, having a place of business at 9444 Waples Street, Suite 210, San Diego, CA 92121 (**Assignee**), desires to acquire the entire right, title and interest in and to said inventions, improvements and/or designs and in and to any and all U.S patents and patent applications and foreign patents and patent applications which may be obtained therefor;

NOW, THEREFORE, **Assignor** and **Assignee** do hereby enter into the following Assignment Agreement.

### 1. Definitions

The **Assigned Patent Rights** includes:

- the **Assigned Patents and Patent Applications**;
- all Letters Patent granted based upon an application for Letters Patent forming part of the **Assigned Patent Rights**;
- any inventions, improvements, and designs disclosed by an application for Letters Patent forming part of the **Assigned Patent Rights**;
- any provisional patent application to which priority is claimed (such as under 35 U.S.C. § 119(e)) by an application for Letters Patent forming part of the **Assigned Patent Rights** and any conversion (such as under 37 C.F.R. 1.53(c)(2) or (3)) that has not previously been assigned by the **Assignor**;
- all divisional applications, continuation applications, continuation-in-part applications, and design patent applications claiming priority to an application for Letters Patent forming part of the **Assigned Patent Rights**;
- any revival, reissue, reexamination, renewal or extension of a Letters Patent or an application for Letters Patent forming part of the **Assigned Patent Rights**;
- any substitute application filed based upon an application for Letters Patent forming part of the **Assigned Patent Rights**;
- any priority rights associated with an application for Letters Patent forming part of the **Assigned Patent Rights**, including priority under International Agreements, Treaties and Conventions for the protection of intellectual property in its various

forms and all applications in which a right of priority is claimed and any Letters Patent, Design Patent, Utility Model, or equivalent granted therefrom;

- any legal equivalents of priority rights associated with an application for Letters Patent forming part of the **Assigned Patent Rights**, including priority under International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms and all applications in which a right of priority is claimed and any Letters Patent, Design Patent, Utility Model, or equivalent granted therefrom; and
- any right in and to all income, royalties, damages, and payments now, in the past, or hereafter due or payable which may be granted, and in and to all causes of action and other enforcement rights, and the right to sue, counterclaim, and recover for past, present, and future infringement of any right arising from the filing of an application for Letters Patent forming part of the **Assigned Patent Rights**.

## **2. Assignment of the Assigned Patent Rights**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **Assignor** confirms that they have and/or otherwise do hereby sell, assign, and transfer to **Assignee**, and the successors, and assigns of the **Assignee** all right, title, and interest in and to the **Assigned Patent Rights** for the United States and its territorial possessions and in all foreign countries and jurisdictions.

## **3. Cooperation Agreement**

The **Assignor** further agree without further or additional consideration, but at the expense of **Assignee**, to:

- promptly provide **Assignee**, upon request, with all pertinent facts and documents relating to the **Assigned Patent Rights**, including, but not limited to, copies of any documents evidencing conception and/or reduction to practice within **Assignor's** possession;
- cooperate with **Assignee** in the protection and prosecution of the **Assigned Patent Rights**;
- testify with respect to all pertinent facts and documents relating to the **Assigned Patent Rights** in any interference, post grant review, inter partes review, litigation, or proceeding relating thereto;
- review, execute, verify, acknowledge and deliver to **Assignee** or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue, or enforce the **Assigned Patent Rights**;
- perform such other acts as **Assignee** lawfully may request to obtain or maintain the **Assigned Patent Rights**, and

- not to challenge the validity and/or enforceability of the **Assigned Patent Rights**, or aid, abet, encourage, participate in, or induce any such challenge by a third party.

#### **4. Assignor Representations**

The **Assignor** hereby represent and warrant that they have not entered and will not enter into any assignment, license agreement, sale agreement, lien, or encumbrance involving any of the **Assigned Patent Rights** that has not been disclosed to **Assignee** or that conflicts with the assignment of the **Assigned Patent Rights**.


#### **5. Authorization to Issue Patents in Name of Assignee**

The **Assignor** and **Assignee** hereby confirm that the assignment to the **Assignee** of all rights in the **Assigned Patent Rights** includes authorization by the **Assignor** for the United States Commissioner of Patents and Trademarks, and officials of any other country whose duty it is to issue patents on applications, to issue any Letters Patent arising from the **Assigned Patent Rights** to the **Assignee**, its successors, or assigns.

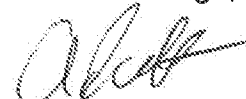
**Assignor** grants the attorney of record the power to insert on this **Assignment** any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This **Assignment** may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same **Assignment**.

IN TESTIMONY WHEREOF, I, **Alexander G. Arato**, confirm that I have authority to act on behalf of the Assignor and hereunto set my hand this 5<sup>th</sup> day of February, 2021.

  
Name: Alexander G. Arato  
Title: Senior Vice President,  
Associate General Counsel  
SONIC IP, LLC

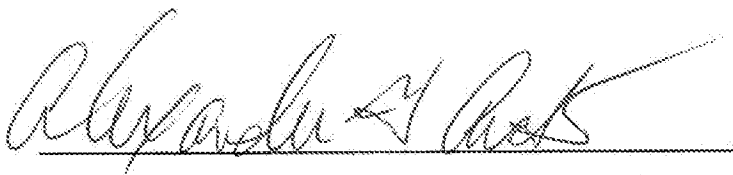
Address: 4790 Eastgate Mall, Suite 200  
San Diego, CA 92121, USA

  
Witnessed by:

I, who have authority to act on behalf of the Assignee, hereby accept this Assignment:

NLD HOLDINGS I, LLC  
9444 Waples Street, Suite 210, San Diego, CA 92121

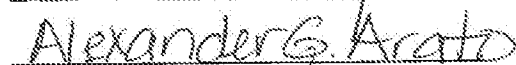
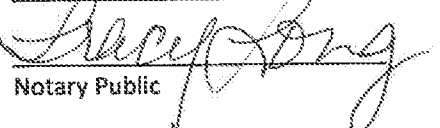
Name: Alexander G. Arato Title: Senior Vice President,  
Associate General Counsel

 February 5, 2021

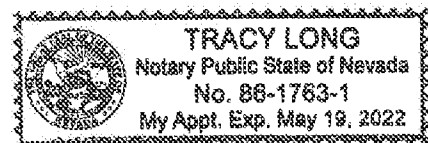
Signature  
State of Nevada  
County of Clark

Date:

This instrument was signed and acknowledged before me on the 5 day of February, 2021 by

  
  
Notary Public

(stamp)



**PATENT**  
**REEL: 055238 FRAME: 0792**

**APPENDIX A**  
**TO ASSIGNMENT AGREEMENT**

Ref.	Country	Appl No.	Filing Date	Patent No.	Grant Date	Title
N20-02502	US	13485609	May 31, 2012	9532080	Dec 27, 2016	Systems and Methods for the Reuse of Encoding Information in Encoding Alternative Streams of Video Data
N20-02502.CON	US	15388466	Dec 22, 2016			Systems and Methods for the Reuse of Encoding Information in Encoding Alternative Streams of Video Data
N20-02802	US	13830914	Mar 14, 2013	9357210	May 31, 2016	Systems and Methods of Encoding Multiple Video Streams for Adaptive Bitrate Streaming
N20-02802.CIP	US	13931449	Jun 28, 2013	9350990	May 24, 2016	Systems and Methods of Encoding Multiple Video Streams with Adaptive Quantization for Adaptive Bitrate Streaming
N20-02802.CON	US	15156126	May 16, 2016	10178399	Jan 8, 2019	Systems and Methods of Encoding Multiple Video Streams for Adaptive Bitrate Streaming
N20-02802.CON2	US	16209666	Dec 4, 2018	10728564	Jul 28, 2020	Systems and Methods of Encoding Multiple Video Streams for Adaptive Bitrate Streaming
N20-02802.CON3	US	16908503	Jun 22, 2020			Systems and Methods of Encoding Multiple Video Streams for Adaptive Bitrate Streaming