

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	OREN RIPPEL	06/16/2017	
	LUBOMIR BOURDEV	06/16/2017	
RECEIVING PARTY DATA			
Name:	WAVEONE INC.		
Street Address:	444 CASTRO STREET		
Internal Address:	SUITE 703		
City:	MOUNTAIN VIEW		
State/Country:	CALIFORNIA		
Postal Code:	94041		
PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	17342921	
CORRESPONDENCE DATA			
Fax Number:	(650)938-5200		
<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>			
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Correspondent Name:	JAE YEON BAEK		
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ATTORNEY DOCKET NUMBER:	33627-49231/US		
NAME OF SUBMITTER:	JAE YEON BAEK, REG. NO. 78,258		
SIGNATURE:	/Jae Yeon Baek/		
DATE SIGNED:	07/12/2021		
Total Attachments: 2			
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **WaveOne Inc.**, a Delaware Corporation, having a place of business at **232 Shumway Lane, Mountain View, CA 94041** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application filed under 35 U.S.C. § 111, design application filed under 35 U.S.C. § 171, Registered Community Designs, international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- Application No. **15/439,895**, entitled "**Deep Learning Based Adaptive Arithmetic Coding And Codelength Regularization**," filed on February 22, 2017, which claims priority to the following applications: US Provisional Application No. 62/434,600, which was filed on December 15, 2016, US Provisional Application No. 62/434,602, which was filed on December 15, 2016, US Provisional Application No. 62/434,603, which was filed on December 15, 2016, and US Provisional Application No. 62/458,749, which was filed on February 14, 2017.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

Title:	Deep Learning Based Adaptive Arithmetic Coding And Codelength Regularization		
Filed:	February 22, 2017	Attorney Docket #:	33627-35912
Application #:	15/439,895	Client Ref #:	

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR 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 or other authority 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.

By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name and Signature


Oren Rippel

Date of Signature

6/16/17

Name and Signature


Lubomir Bourdev

Date of Signature

6/16/17