PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ILYA BOLOTIN	09/05/2018
ALEXANDER MALTSEV	09/05/2018
CHENG CHEN	09/05/2018
CARLOS CORDEIRO	09/04/2018
ARTYOM LOMAYEV	09/04/2018

RECEIVING PARTY DATA

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BOULEVARD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16123271

CORRESPONDENCE DATA

Fax Number: (212)202-6436

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: (845) 335-4230

Email: DocketingUS@ShichrurLaw.com

Correspondent Name: SHICHRUR & CO.

Address Line 1: AZRIELI BUSINESS CENTER
Address Line 2: TRIANGLE TOWER, 38TH FLOOR

Address Line 4: TEL AVIV, ISRAEL 67011

ATTORNEY DOCKET NUMBER:	AA3796-US
NAME OF SUBMITTER:	YAEL KAGAN
SIGNATURE:	/YAEL KAGAN/
DATE SIGNED:	10/11/2018

Total Attachments: 10

PATENT REEL: 047134 FRAME: 0032

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PATENT REEL: 047134 FRAME: 0033

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Ilya Bolotin; Alexander Maltsev; Cheng Chen; Carlos Cordeiro; Artyom Lomayev

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

APPARATUS, SYSTEM AND METHOD OF ASYMMETRIC BEAMFORMING TRAINING

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on	September 6, 2	September 6, 2018		_ as	
U.S.		Application Number	16/123,271	and	
COUNTRY or Inte	ernational Office	• •			

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignce, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

	9/5/2018
Ilya Bolotin	Date signed
Alexander Maltsev	Date signed
Cheng Chen	Date signed
	~
Carlos Cordeiro	Date signed
Artyom Lomayev	Date signed

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Hya Bolotin	Date signed
AH M	09/05/18
Alexander Maltsev	Date signed
Cheng Chen	Date signed
Carlos Cordeiro	Date signed
Artyom Lomayev	Date signed

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Alexander Maltsev	Date signed
Chelan	
	09/25/2018
Cheng Chen	Date signed
Carlos Cordeiro	Date signed
Artyom Lomayev	

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Ilya Bolotin	Date signed
Alexander Maltsev	Date signed
Cheng Chen	Date signed
Call Law Filder.	September 04, 2018
Carlos Cordeiro	Date signed
Artyom Lomayev	Date signed

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Ilya Bolotin	Date signed
Alexander Maltsev	Date signed
Cheng Chen	Date signed
Carlos Cordeiro	Date signed
Town	9/4/2018
Artyon Lomayev	Date signed

Page 2 of 2