

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
DI WU	01/05/2021
JIKUN KANG	01/05/2021
HANG LI	01/05/2021
XI CHEN	01/08/2021
YI TIAN XU	01/05/2021
DMITRIY RIVKIN	01/05/2021
TAESEOP LEE	01/18/2021
INTAIK PARK	01/06/2021
MICHAEL JENKIN	01/05/2021
XUE LIU	01/05/2021
GREGORY LEWIS DUDEK	01/05/2021

**RECEIVING PARTY DATA**

<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU, GYEONGGI-DO
<b>City:</b>	SUWON-SI
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	17139561

**CORRESPONDENCE DATA****Fax Number:** (202)293-7860*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:** 202-293-7060**Email:** msmircich@sughrue.com, sughrue@sughrue.com**Correspondent Name:** SUGHRUE MION, PLLC.**Address Line 1:** 2000 PENNSYLVANIA AVENUE, N.W.**Address Line 2:** 8TH FLOOR**Address Line 4:** WASHINGTON, D.C. 20006

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	A258245
<b>NAME OF SUBMITTER:</b>	MATTHEW TYLER SMIRCICH-TEAMS
<b>SIGNATURE:</b>	/Matthew Tyler Smircich/
<b>DATE SIGNED:</b>	02/02/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 5</b> source=A258245AssignmentwithDeclarationexecutedTBF#page1.tif source=A258245AssignmentwithDeclarationexecutedTBF#page2.tif source=A258245AssignmentwithDeclarationexecutedTBF#page3.tif source=A258245AssignmentwithDeclarationexecutedTBF#page4.tif source=A258245AssignmentwithDeclarationexecutedTBF#page5.tif	

**ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

- This assignment with declaration is  The attached application, or directed to:  
 United States Application or PCT International Application Number 17/139,561 filed on December 31, 2020.

The application is entitled:

**LOAD BALANCING USING DATA-EFFICIENT LEARNING**

The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

<b>NAME OF SOLE OR FIRST INVENTOR:</b>	
Given Name (first and middle [if any])	Di
Family Name or Surname	WU
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<b>NAME OF SECOND INVENTOR:</b>	
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Family Name or Surname	KANG
Inventor's signature	<i>Jikun Kang</i> /
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Mailing Address: Samsung Research America, 665 Clyde Ave., Mountain View, California 94043	
<b>NAME OF THIRD INVENTOR:</b>	
Given Name (first and middle [if any])	Hang
Family Name or Surname	LI
Inventor's signature	<i>Hang Li</i> /
Date	Jan 5, 2021
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<b>NAME OF FOURTH INVENTOR:</b>	
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Family Name or Surname	CHEN
Inventor's signature	<i>Xi Chen</i> /
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<b>NAME OF FIFTH INVENTOR:</b>	
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Family Name or Surname	XU
Inventor's signature	<i>Yi Tian Xu</i> /
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<b>NAME OF SIXTH INVENTOR:</b>	
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Family Name or Surname	RIVKIN
Inventor's signature	<i>D. Rivkin</i> /
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<b>NAME OF SEVENTH INVENTOR:</b>	
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Family Name or Surname	LEE
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<b>NAME OF EIGHTH INVENTOR:</b>	
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Family Name or Surname	PARK
Inventor's signature	<i>Intaik Park</i> /
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<b>NAME OF NINTH INVENTOR:</b>	
Given Name (first and middle [if any])	Michael
Family Name or Surname	JENKIN
Inventor's signature	<i>Michael Jenkin</i> /
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<b>NAME OF TENTH INVENTOR:</b>	
Given Name (first and middle [if any])	Xue
Family Name or Surname	LIU
Inventor's signature	<i>Xue Liu</i> /
Date	Jan 5, 2021
Residence: Montreal, Canada	
Mailing Address: Samsung Research America, 665 Clyde Ave., Mountain View, California 94043	

**ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**

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Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

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I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

<b>NAME OF ELEVENTH INVENTOR:</b>	
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