## 505991187 03/30/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JIN LI	03/30/2020
JINPENG LIU	03/30/2020
CHRISTOPHER S. MACLELLAN	02/12/2020

## **RECEIVING PARTY DATA**

Name:	EMC IP HOLDING COMPANY LLC	
Street Address:	176 SOUTH STREET	
City:	HOPKINTON	
State/Country:	MASSACHUSETTS	
Postal Code:	01748	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16789006

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	118218.01
NAME OF SUBMITTER:	WILLIAM E. LEWIS
SIGNATURE:	/William E. Lewis/
DATE SIGNED:	03/30/2020

#### **Total Attachments: 4**

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PATENT 505991187 REEL: 052261 FRAME: 0646

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PATENT REEL: 052261 FRAME: 0647

#### ASSIGNMENT

WHEREAS, we, Jin Li, Jinpeng Liu and Christopher S. MacLellan, have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled SCHEDULING ARTIFICIAL INTELLIGENCE MODEL PARTITIONS BASED ON REVERSED COMPUTATION GRAPH, the specification of which:

[]	is being executed on even date herewith and i States Patent Office;	s about to be filed in the l	United
[X]	was filed on February 12, 2020 as U.S. Appli	cation No. <u>16/789,006;</u>	
[]	was patented under U.S. Patent No.	on .	

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a limited liability company organized and existing under the laws of the State of Delaware and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

**NOW, THEREFORE**, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the

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PATENT/Joint Assignment Attorney Docket No.: 118218.01

giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

**AND**, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

**IN TESTIMONY WHEREOF**, we have hereunto set our hands and affixed our seals as set forth below:

PATENT/Joint Assignment Attorney Docket No.: 118218.01

Date: Jose 3. A	Jin Li
	Inventor's Signature
Full name of first inventor:	Jin Li
Residence:	Shanghai, China
Citizenship:	China
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Date: 2020, 3,30	Jinpeng Liu
	Inventor's Signature
Full name of second inventor:	Jinpeng Liu
Residence:	Shanghai, China
Citizenship:	China
Mailing Address:	Wuhan 10 Rongyuan Road
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Date:	
	Inventor's Signature
Full name of third inventor:	Christopher S. MacLellan
Residence:	Uxbridge, Massachusetts
Citizenship:	United States of America
Mailing Address:	124 Rogerson Crossing
	Uxbridge Massachusetts 01569

PATENT/Joint Assignment Attorney Docket No.: 118218.01

Date:	
	Inventor's Signature
Full name of first inventor:	Jin Li
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Full name of second inventor:	Hanana I in
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Citizenship: Mailing Address:	Wuhan 10 Rongyuan Road
mannag mancos.	Shanghai, China 430067
Date: 12-Feb-2020	Mustiplie Doller Inventor's Signature
Full name of third inventor:	Christopher S. MacLellan
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