

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHENGAO YANG	04/19/2017
WAI-HO YEUNG	04/24/2017
TAK-LON CHAO	04/21/2017
KIN-HONG LEE	04/24/2017
CHI-LAM HO	04/21/2017
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<b>State/Country:</b>	CHINA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15395981
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<b>ATTORNEY DOCKET NUMBER:</b>	80015-1029204
<b>NAME OF SUBMITTER:</b>	DONNA HILL
<b>SIGNATURE:</b>	/Donna Hill/
<b>DATE SIGNED:</b>	07/26/2017
<b>Total Attachments: 2</b>	
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ASSIGNMENT

WHEREAS, WE, **Shenghao YANG** a citizen of The People's Republic of China, residing at Flat 2, 18/F, Block P, Sunshine City III, 8 On Shing Street, Ma On Shan, New Territories, Hong Kong, **Wai-ho YEUNG**, a citizen of The People's Republic of China, residing at Flat C, 12<sup>th</sup> Floor, University Residence 17, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong, **Tak-lon CHAO**, a citizen of The People's Republic of China, residing at 1/F, 96A, Tai Po Mei Village, Tai Po, New Territories, Hong Kong, **Kin-hong LEE**, a citizen of The People's Republic of China, residing at Flat 2A, Block 2, Constellation Cove, 1 Hung Lam Drive, Tai Po, New Territories, Hong Kong, and **Chi-lam HO**, a citizen of The People's Republic of China, residing at Unit 1A, University Residence 17, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong, ASSIGNORS, respectively, are the inventors of the invention in

**HARDWARE ACCELERATION FOR BATCHED SPARSE CODES**

for which we have executed an application for a Patent of the United States

which is identified by Kilpatrick Townsend & Stockton, LLP docket no. 80015-1029204 (017810US) which was filed on **30 December 2016**, Application No. **15/395,981**.

WHEREAS, **The Chinese University of Hong Kong**, a University established by ordinance of Hong Kong, ASSIGNEE, located at Office of Research and Knowledge Transfer Services, Room 301, Pi Ch'iu Building, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewal and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of

industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire rights, title and interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testifying in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

19 April 2017

Date

Yang Shenghao

Shenghao YANG

24 APR 2017

Date

Wai-ho YEUNG

Wai-ho YEUNG

21-Apr-2017

Date

周德廣

Tak-lon CHAO

24<sup>th</sup> April 2017

Date

Lee Kin-hong

Kin-hong LEE

21 April 2017

Date

Chi-lam HO

Chi-lam HO