## 504506914 08/16/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JIA ZHANG	07/19/2017
TAK WU (SAM) KWONG	07/19/2017

### **RECEIVING PARTY DATA**

Name:	CITY UNIVERSITY OF HONG KONG	
Street Address:	4/F, ACADEMIC 2	
Internal Address:	83 TAT CHEE AVENUE	
City:	KOWLOON HONG KONG	
State/Country:	CHINA	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15595395

#### **CORRESPONDENCE DATA**

**Fax Number:** (214)855-8200

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:** 214-855-8000

**Email:** karen.evans@nortonrosefulbright.com

Correspondent Name: R. GREESON/NORTON ROSE FULBRIGHT US LLP

Address Line 1: 2200 ROSS AVENUE

Address Line 2: SUITE 3600

Address Line 4: DALLAS, TEXAS 75201

ATTORNEY DOCKET NUMBER:	CTYU.P0011US/11702579	
NAME OF SUBMITTER:	ROBERT GREESON	
SIGNATURE:	/Robert Greeson/	
DATE SIGNED:	08/16/2017	

**Total Attachments: 3** 

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> PATENT REEL: 043310 FRAME: 0773

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#### ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Jia Zhang and Tak Wu (Sam) Kwong (hereinafter referred to as Assignors), with addresses of 4/F, Academic 2, 83 Tat Chee Avenue, Kowloon, HONG KONG, CHINA; and 4/F, Academic 2, 83 Tat Chee Avenue, Kowloon, Kowloon, HONG KONG, CHINA, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in HEVC WITH COMPLEXITY CONTROL BASED ON DYNAMIC CTU DEPTH RANGE ADJUSTMENT, set forth in an Application for U.S. Letters Patent filed on May 15, 2017, as U.S. Application Serial No. 15/595,395; and

WHEREAS, City University of Hong Kong, a University organized under and pursuant to the laws of Hong Kong having its principal place of business at 4/F, Academic 2, 83 Tat Chee Avenue, Kowloon, HONG KONG, CHINA (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

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AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that

Assignors have good and full right and lawful authority to sell and convey the same in the

manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, whenever counsel of Assignee, or counsel of its successors,

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors,

legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

NORTON ROSE FULBRIGHT US LLP

All practitioners at Customer Number 000029053

legal representatives and assigns requests such action.

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AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 19, July, 2017 Signature: ZHANG JIA

Jia Zhang

Date: 19, July , 2017 Signature: Tak Wu (Sam) Kwong

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