

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WEN-JUN ZENG	05/19/2018
HING CHEUNG SO	05/24/2018
JIAYI CHEN	05/23/2018
ABDELHAK M. ZOUBIR	05/18/2018
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15957657
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DATE SIGNED:	10/25/2018
Total Attachments: 5	
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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by Wen-Jun Zeng; Hing Cheung So; Jiayi Chen; and Abdelhak M. Zoubir (hereinafter referred to as Assignors), residing at Room 4D, Floor 5, No. 16 Nam Kok Road, Kowloon City, HONG KONG, CHINA; Unit 22A, 45 Waterloo Road, Kowloon, HONG KONG, CHINA; Room 9g, Building D, Xihai Mingzhu, 1 Taoyuan Road, Nanshan District, Shenzhen, CHINA; and Strabe des 17, Juni 135, 10623 Berlin, GERMANY, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in SYSTEMS AND METHODS FOR SIGNAL PROCESSING USING COORDINATE DESCENT TECHNIQUES FOR UNIT MODULES LEAST SQUARES (UMLS) AND UNIT-MODULUS QUADRATIC PROGRAM (UMQP), set forth in a Patent application for Letters Patent of the United States, already filed on April 19, 2018 as U.S. application No. 15/957,657; and

WHEREAS, City University of Hong Kong, a University organized under and pursuant to the laws of Hong Kong, China 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 provisionals, nonprovisionals, 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

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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.

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, legal representatives and assigns requests such action.

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.

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

Date: 19-05-2018

Signature: Wen-Jun Zeng
Wen-Jun Zeng

Date: 24 May 2018

Signature: Hing Cheung So
Hing Cheung So

Date: _____

Signature: _____
Jiayi Chen

Date: _____

Signature: _____
Abdelhak M. Zoubir

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

Date: _____

Signature: _____
Wen-Jun Zeng

Date: _____

Signature: _____
Hing Cheung So

Date: May 23, 2018

Signature: Jiayi Chen
Jiayi Chen

Date: _____

Signature: _____
Abdelhak M. Zoubir

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

Date: _____

Signature: _____
Wen-Jun Zeng

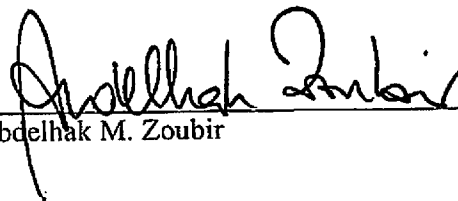
Date: _____

Signature: _____
Hing Cheung So

Date: _____

Signature: _____
Jiayi Chen

Date: 18-05-2018

Signature: 
Abdelhak M. Zoubir