

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5819574

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RONGGANG WANG	11/14/2019
KUI FAN	11/14/2019
GUISEN XU	11/14/2019
WEN GAO	11/14/2019
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<b>City:</b>	SHENZHEN
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	518055
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16610290
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	112958-23522US01
<b>NAME OF SUBMITTER:</b>	ANDREW W. WAHBA
<b>SIGNATURE:</b>	/Andrew W. Wahba/
<b>DATE SIGNED:</b>	11/14/2019
<b>Total Attachments: 2</b>	

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**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to PEKING UNIVERSITY SHENZHEN GRADUATE SCHOOL, a university of the People's Republic of China, having a principal place of business at Peking University Campus, Shenzhen University Town, Lishui Road, Xili Town, Nanshan District, SHENZHEN, GNG 518055 China ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States, in and to any and all inventions and discoveries that are disclosed in the United States Patent Application entitled:

An Intra-prediction-based Encoding and Decoding Method, Apparatus and Filter

the specification of which is attached hereto unless the following is entered:

Filed on	as United States Application Number or PCT International Application Number	and was amended on (if applicable)
November 1, 2019	16/610,290	

and in and to said United States Patent Application and all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications that have been or shall be filed in the United States on any of said inventions and discoveries; and in and to all original and reissued patents that have been or shall be issued in the United States on said inventions and discoveries; and in and to all rights of priority resulting from the filing of said United States Patent Application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and discoveries and the history thereof, and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Inventor: **Ronggang WANG**

Inventor Signature <i>Ronggang Wang</i>	Date 2019.11.14
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Inventor: **Kui FAN**

Inventor Signature <i>Kui Fan</i>	Date 2019.11.14
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Inventor: **Guisen XU**

Inventor Signature <i>Guisen Xu</i>	Date 2019.11.14
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Inventor: Wen GAO

Inventor Signature <i>Wen Gao</i>	Date <i>2019.11.14</i>
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