

## 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>
FUTUREWEI TECHNOLOGIES, INC.	05/15/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HUAWEI TECHNOLOGIES CO., LTD.
<b>Street Address:</b>	HUAWEI ADMINISTRATION BUILDING
<b>Internal Address:</b>	BANTIAN, LONGGANG DISTRICT
<b>City:</b>	SHENZHEN, GUANGDONG PROVINCE
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	518129
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17176595
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	4502-45812 (85964847US53)
<b>NAME OF SUBMITTER:</b>	WILLIAM H. DIETRICH
<b>SIGNATURE:</b>	/William H. Dietrich/
<b>DATE SIGNED:</b>	08/09/2023
<b>Total Attachments: 1</b>	
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ASSIGNMENT AGREEMENT

WHEREAS, FUTUREWEI TECHNOLOGIES, INC., a corporation of the state of Texas, located at 5700 Tennyson Parkway, Suite 600, Plano, TX 75024, hereinafter referred to as "Assignor" is the owner of the invention described and set forth in the below-identified application for United States Letters Patent.

Title of Invention: Reference Picture Management in Video Coding  
Filing Date: 8/16/2019  
Application No.: PCT/US2019/046934

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., a corporation of China, located at Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter referred to as "Assignee", is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted, and wherever such Letters patent and Registrations may be granted on the same;

For good and valuable consideration, receipt and sufficiency of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents hereby does and will assign to Assignee all right (including the right to claim priority), title, and interest in and to the invention and application (including any priority applications) and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, reexamination, supplemental examination, prolongation or extension thereof.

Assignor further agrees that it will, with respect to the assigned and, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements or division, renewal, continuation in whole or in part, substitution, conversion, reissue, reexamination, supplemental examination, prolongation or extension thereof which may be granted thereon, in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

All matters pertaining to interpreting of the provisions of this Assignment shall be governed and construed in accordance with the laws of the State of Texas, United States of America, excluding Texas' conflict of law principles that could cause the application of the laws of any other jurisdiction.

This ASSIGNMENT AGREEMENT confirms the effective date of the Assignment to be the date that the Application is filed, or a priority date or priority dates that the application claims, whichever is earlier. This ASSIGNMENT AGREEMENT is hereby agreed by both Assignee and Assignor on the date when the Assignee signs this ASSIGNMENT AGREEMENT, or the date when the Assignor signs this ASSIGNMENT AGREEMENT, whichever is later.

For and on behalf of Assignor by: Paul C. Hashim Date: May 15, 2020  
Paul Hashim  
Title: Chief IP Counsel of FUTUREWEI TECHNOLOGIES, INC.

For and on behalf of Assignee by: Jian Yu Date: May 15, 2020  
Jian Yu  
Title: Supervisor of Process & Operations Dept., HUAWEI

TECHNOLOGIES CO., LTD.