

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7175209

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LU YU	12/03/2021
YE-KUI WANG	01/12/2022
YUQUN FAN	12/07/2021
HUALONG YU	11/05/2021
YIN ZHAO	11/15/2021
XIANGYU LIN	02/14/2022
HAITAO YANG	11/16/2021
<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
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	518129
<b>Name:</b>	ZHEJIANG UNIVERSITY
<b>Street Address:</b>	NO. 866, YUHANGTANG ROAD XIHU HANGZHOU
<b>City:</b>	ZHEJIANG
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	310058
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17366735
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)616-5700
<i>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.</i>	
<b>Phone:</b>	(312) 616-5600
<b>Email:</b>	assignments@leydig.com
<b>Correspondent Name:</b>	LEYDIG, VOIT & MAYER, LTD.
<b>Address Line 1:</b>	TWO PRUDENTIAL PLAZA, SUITE 4900

PATENT

<b>Address Line 2:</b>	180 NORTH STETSON AVENUE
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60601-6731

<b>ATTORNEY DOCKET NUMBER:</b>	HW758062
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<b>NAME OF SUBMITTER:</b>	KAJAL AMIN
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<b>SIGNATURE:</b>	/Kajal Amin/
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<b>DATE SIGNED:</b>	02/14/2022
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**Total Attachments: 14**

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**ASSIGNMENT**

**WHEREAS, WE,**

Lu Yu  
No. 866, Yuhangtang Road Xihu  
Hangzhou, Zhejiang 310058  
China; and

Ye-Kui Wang  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, Guangdong 518129, P.  
R. China; and

Yuqun Fan  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, Guangdong 518129  
P.R. China; and

Hualong Yu  
No. 866, Yuhangtang Road Xihu  
Hangzhou, Zhejiang 310058  
China; and

Yin Zhao  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, Guangdong 518129  
P.R. China; and

Xiangyu Lin  
No. 866, Yuhangtang Road Xihu  
Hangzhou, Zhejiang 310058  
China; and

Haitao Yang  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, Guangdong 518129  
P.R. China.

have invented and own a certain invention entitled:  
**VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING METHOD**  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on 2021-07-02, under U.S. Application No. 17366735 and

**WHEREAS,**

**Zhejiang University, of No. 866, Yuhangtang Road Xihu Hangzhou, Zhejiang  
310058 China,**

and

**HUAWEI TECHNOLOGIES CO.,LTD., of Huawei Administration Building,  
Bantian, Longgang District, Shenzhen, Guangdong 518129 P.R. China.**

hereinafter referred to as Assignees, are desirous of acquiring the entire domestic and  
foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE,** for good and valuable considerations, the receipt and sufficiency  
of which are hereby acknowledged, we assign and transfer to the Assignees and the Assignees'  
legal representatives, successors and assigns the full and exclusive rights in and to the invention  
in the United States and every foreign country and the entire right, title, and interest in and to  
the patent application and other such applications (e.g., provisional applications, non-  
provisional applications, continuations, continuations-in-part, divisionals, reissues,

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Attorney Docket No. HW758062

reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignees agreeably with the terms of this assignment document.

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**IN WITNESS WHEREOF**, we have hereunder set our hands on the dates shown below.

Date 2/21/12

  
Lu Yu

Date \_\_\_\_\_

Ye-Kui Wang

Date \_\_\_\_\_

Yuqun Fan

Date \_\_\_\_\_

Hualong Yu

Date \_\_\_\_\_

Yin Zhao

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Date \_\_\_\_\_

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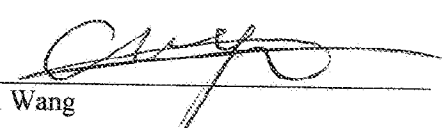
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Date \_\_\_\_\_

\_\_\_\_\_  
Yuqun Fan

Date \_\_\_\_\_

\_\_\_\_\_  
Hualong Yu

Date \_\_\_\_\_

\_\_\_\_\_  
Yin Zhao

Date \_\_\_\_\_

\_\_\_\_\_  
Xiangyu Lin

Date \_\_\_\_\_

\_\_\_\_\_  
Haitao Yang

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Attorney Docket No. HW758062

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Date \_\_\_\_\_

\_\_\_\_\_  
Lu Yu

Date \_\_\_\_\_

\_\_\_\_\_  
Ye-Kui Wang

Date Dec. 07, 2001

Yuqun Fan  
\_\_\_\_\_  
Yuqun Fan

Date \_\_\_\_\_

\_\_\_\_\_  
Hualong Yu

Date \_\_\_\_\_

\_\_\_\_\_  
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Date \_\_\_\_\_

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\_\_\_\_\_  
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Date _____	Lu Yu
Date _____	Ye-Kui Wang
Date _____	Yuqun Fan
Date <u>2011-11-5</u>	<u>Hualong Yu</u> Hualong Yu
Date _____	Yin Zhao
Date _____	Xiangyu Lin
Date _____	Haitao Yang

**ASSIGNMENT**

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China; and

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Date <u>Nov. 15, 2021</u>	<u>Yin Zhao</u> Yin Zhao
Date _____	_____ Xiangyu Lin
Date _____	_____ Haitao Yang

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	Hualong Yu
Date _____	_____
	Yin Zhao
Date <u>Feb 14, 2022</u>	
	Xiangyu Lin
Date _____	_____
	Haitao Yang

**ASSIGNMENT**

**WHEREAS, WE,**

Lu Yu  
No. 866, Yuhangtang Road Xihu  
Hangzhou, Zhejiang 310058  
China; and

Ye-Kui Wang  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, Guangdong 518129, P.  
R. China; and

Yuqun Fan  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, Guangdong 518129  
P.R. China; and

Hualong Yu  
No. 866, Yuhangtang Road Xihu  
Hangzhou, Zhejiang 310058  
China; and

Yin Zhao  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, Guangdong 518129  
P.R. China; and

Xiangyu Lin  
No. 866, Yuhangtang Road Xihu  
Hangzhou, Zhejiang 310058  
China; and

Haitao Yang  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, Guangdong 518129  
P.R. China.

have invented and own a certain invention entitled:  
**VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING METHOD**  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on 2021-07-02, under U.S. Application No. 17366735 and

**WHEREAS,**

**Zhejiang University, of No. 866, Yuhangtang Road Xihu Hangzhou, Zhejiang  
310058 China,**

and

**HUAWEI TECHNOLOGIES CO.,LTD., of Huawei Administration Building,  
Bantian, Longgang District, Shenzhen, Guangdong 518129 P.R. China.**

hereinafter referred to as Assignees, are desirous of acquiring the entire domestic and  
foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE,** for good and valuable considerations, the receipt and sufficiency  
of which are hereby acknowledged, we assign and transfer to the Assignees and the Assignees'  
legal representatives, successors and assigns the full and exclusive rights in and to the invention  
in the United States and every foreign country and the entire right, title, and interest in and to  
the patent application and other such applications (e.g., provisional applications, non-  
provisional applications, continuations, continuations-in-part, divisionals, reissues,

In re Appln. of Yu et al.  
Attorney Docket No. HW758062

reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignees agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignees to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

**WE DO HEREBY COVENANT** and agree with the Assignees that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignees, execute such additional assignments and other writings and do such additional acts as the Assignees may deem necessary or desirable to perfect the Assignees' enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

**IN WITNESS WHEREOF**, we have hereunder set our hands on the dates shown below.

Date _____	_____
	Lu Yu
Date _____	_____
	Ye-Kui Wang
Date _____	_____
	Yuqun Fan
Date _____	_____
	Hualong Yu
Date _____	_____
	Yin Zhao
Date _____	_____
	Xiangyu Lin
Date <u>Nov. 16, 2021</u>	<u>Haitao Yang</u>
	Haitao Yang