PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIHO CHOI	06/17/2020
JINYOUNG LEE	06/26/2020

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU, GYEONGGI-DO
City:	SUWON-SI
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16959005	

CORRESPONDENCE DATA

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Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER: Q244034		
NAME OF SUBMITTER:	TODD YARBOROUGH - TEAMS	
SIGNATURE:	/Todd Yarborough/	
DATE SIGNED: 06/29/2020		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

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PATENT REEL: 053076 FRAME: 0760

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PATENT REEL: 053076 FRAME: 0761

Docket No.:

Q244034

Samsung Ref: MK2018010011US1

Only After Sept 16, 2012

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, <u>SAMSUNG ELECTRONICS CO., LTD. of 129</u>, <u>Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677</u>, <u>Republic of Korea</u>, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC	261)
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As the below named inventor, I hereby declare that:

This assignment with declaration is directed to:		The attached application, or
	Ø	United States Application or PCT International Application Number <u>PCT/KR2018/016849</u> filed on <u>December 28, 2018</u> .

The application is entitled:

VIDEO DECODING METHOD AND APPARATUS AND VIDEO ENCODING METHOD AND APPARATUS

The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

[Page 1]

PATENT REEL: 053076 FRAME: 0762

NAME OF SOLE OR FIRST INVENTOR:				
Given Name (first and middle [if any])	Kiho	Family Name or Surname CHOI		
Inventor's signature	2/2/2	Date 2020, 06. 17		
Residence: Suwon-si, Republic of F	Korea			
Mailing Address: 129, Samsung-ro, Yeongtong-ga, Suwon-si, Gyeonggi-do, 16677, Republic of Korea				
NAME OF SECOND INVENTOR:				
Given Name (first and middle [if any])	Jinyoung	Family Name or Surname LEE		
Inventor's signature		Date		
Residence: Suwon-si, Republic of Korea				
Mailing Address: 129, Samsung-to,	Yeongtong-gu, Suwon-si, Gyeor	nggi-do, 16677, Republic of Korea		

Docket No.:

Q244034

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Only After Sept 16, 2012

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Whereas, <u>SAMSUNG ELECTRONICS CO., LTD. of 129</u>, <u>Samsung-ro.</u> <u>Yeongtong-gu</u>, <u>Suwon-si.</u> <u>Gyeonggi-do. 16677</u>, <u>Republic of Korea</u>, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor:

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the helow named inventor, I hereby	y deci	are that:
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[Page 1]

PATENT REEL: 053076 FRAME: 0764

NAME OF SOLE OR FIRST INVENTOR:					
Given Name (first and middle [if any]) Kiho	Family Name or Surname CHOI				
Inventor's signature	Date				
Residence: Suwon-si, Republic of Korea					
Mailing Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea					
NAME OF SECOND INVENTOR:					
Criven Name (first and middle [if any]) Jinyoung	Family Name or Surname LEE				
Inventor's signature To Young Cee	Date 2020 of 26				
Residence: Suwon-si, Republic of Korea					
Mailing Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeon	ggi-do, 16677, Republic of Korea				

PATENT REEL: 053076 FRAME: 0765

RECORDED: 06/29/2020