

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6321791

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NARAE CHOI	09/14/2020
MINSOO PARK	09/14/2020
MINWOO PARK	09/14/2020
SEUNGSOO JEONG	09/14/2020
KIHO CHOI	09/14/2020
WOONGIL CHOI	09/14/2020
ANISH TAMSE	09/01/2020
YINJI PIAO	09/14/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU, GYEONGGI-DO
<b>City:</b>	SUWON-SI
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17042461
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)293-7860
<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>	202-293-7060
<b>Email:</b>	yleggitt@sughrue.com, sughrue@sughrue.com
<b>Correspondent Name:</b>	SUGHRUE MION, PLLC
<b>Address Line 1:</b>	2000 PENNSYLVANIA AVENUE, N.W.
<b>Address Line 2:</b>	SUITE 900
<b>Address Line 4:</b>	WASHINGTON, D.C. 20006
<b>ATTORNEY DOCKET NUMBER:</b>	Q246019
<b>NAME OF SUBMITTER:</b>	YUKIKO LEGGITT - TEAMS DEPT
<b>SIGNATURE:</b>	/Yukiko Leggitt/

PATENT

<b>DATE SIGNED:</b>	09/28/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 6</b> source=Q246019ExecutedDeclarationandAssignmentasfiled#page1.tif source=Q246019ExecutedDeclarationandAssignmentasfiled#page2.tif source=Q246019ExecutedDeclarationandAssignmentasfiled#page3.tif source=Q246019ExecutedDeclarationandAssignmentasfiled#page4.tif source=Q246019ExecutedDeclarationandAssignmentasfiled#page5.tif source=Q246019ExecutedDeclarationandAssignmentasfiled#page6.tif	

**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, SAMSUNG ELECTRONICS CO., LTD. of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, (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 below named inventor, I hereby declare that:

- This assignment with declaration is directed to:
- The attached application, or
  - United States Application or PCT International Application Number PCT/KR2019/004966 filed on April 24, 2019.

The application is entitled:

**VIDEO ENCODING METHOD AND DEVICE AND VIDEO DECODING METHOD AND DEVICE**

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.

**NAME OF SOLE OR FIRST INVENTOR:**

Given Name

(first and middle [if any])

Narae

Family Name or Surname

CHOI

Inventor's signature

Narae Choi

Date

Sep. 14, 2020

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:**

Given Name

(first and middle [if any])

Minsoo

Family Name or Surname

PARK

Inventor's signature

Park, Min Soo

Date

Sep. 14, 2020

Residence:

Suwon-si, Republic of Korea

Mailing Address:

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea

**NAME OF THIRD INVENTOR:**

Given Name

(first and middle [if any])

Minwoo

Family Name or Surname

PARK

Inventor's signature

Park, Min Woo

Date

Sep. 14, 2020

Residence:

Suwon-si, Republic of Korea

Mailing Address:

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea

**NAME OF FOURTH INVENTOR:**

Given Name

(first and middle [if any])

Seungsoo

Family Name or Surname

JEONG

Inventor's signature

Jeong

Date

Sep. 14, 2020

Residence:

Suwon-si, Republic of Korea

Mailing Address:

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea

**NAME OF FIFTH INVENTOR:**

Given Name

(first and middle [if any])

Kiho

Family Name or Surname

CHOI

Inventor's signature

Kiho Choi

Date

Sep. 14, 2020

Residence:

Suwon-si, Republic of Korea

Mailing Address:

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea

<b>NAME OF SIXTH INVENTOR:</b>	
Given Name (first and middle [if any])	Woengil
Family Name or Surname	CHOI
Inventor's signature	Date SEP. 14. 2020
Residence:	Suwon-si, Republic of Korea
Mailing Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea
<b>NAME OF SEVENTH INVENTOR:</b>	
Given Name (first and middle [if any])	Anish
Family Name or Surname	TAMSE
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
<b>NAME OF EIGHTH INVENTOR:</b>	
Given Name (first and middle [if any])	Yinji
Family Name or Surname	PIAO
Inventor's signature	Date SEP. 14. 2020
Residence:	Suwon-si, Republic of Korea
Mailing Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea

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

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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.

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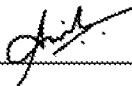
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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<b>NAME OF SOLE OR FIRST INVENTOR:</b>	
Given Name (first and middle [if any])	Narae
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	
<b>NAME OF SECOND INVENTOR:</b>	
Given Name (first and middle [if any])	Minsoo
Family Name or Surname	PARK
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	
<b>NAME OF THIRD INVENTOR:</b>	
Given Name (first and middle [if any])	Minwoo
Family Name or Surname	PARK
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	
<b>NAME OF FOURTH INVENTOR:</b>	
Given Name (first and middle [if any])	Seungsoo
Family Name or Surname	JEONG
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	
<b>NAME OF FIFTH INVENTOR:</b>	
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	

<b>NAME OF SIXTH INVENTOR:</b>	
Given Name (first and middle [if any])	Family Name or Surname
Woongil	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	
<b>NAME OF SEVENTH INVENTOR:</b>	
Given Name (first and middle [if any])	Family Name or Surname
Anish	TAMSE
Inventor's signature 	Date 2020 . 09 . 01
Residence: Suwon-si, Republic of Korea	
Mailing Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea	
<b>NAME OF EIGHTH INVENTOR:</b>	
Given Name (first and middle [if any])	Family Name or Surname
Yinji	PIAO
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	