

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	507137865
CONVEYING PARTY DATA	
Name	Execution Date
MINWOO PARK	01/26/2022
MINSOO PARK	01/26/2022
KWANGPYO CHOI	01/26/2022
KIHO CHOI	01/11/2022
YINJI PIAO	01/26/2022
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:	17675410
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	Q271175
NAME OF SUBMITTER:	YUKIKO LEGGITT - TEAMS DEPT
SIGNATURE:	/Yukiko Leggitt/
DATE SIGNED:	04/19/2022
This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

Total Attachments: 4

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Filed: February 18, 2022

Docket No.: Q271175
SEC Ref: MM2020040051US0
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, 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 ☒ The attached application, or
directed to: ☐ United States Application or PCT International Application Number _____ filed on
_____.

The application is entitled:

**DEVICE AND METHOD FOR ENCODING MOTION VECTOR, AND DEVICE AND METHOD FOR DECODING MOTION
VECTOR**

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]) Minwoo	Family Name or Surname PARK
Inventor's signature <i>Park Min Woo</i>	Date Jan. 26, 2022
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 <i>Minsoo Park</i>	Date Jan. 26, 2022
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]) Kwangpyo	Family Name or Surname CHOI
Inventor's signature <i>[Signature]</i>	Date Jan. 26, 2022
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]) 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 FIFTH INVENTOR:	
Given Name (first and middle [if any]) Yini	Family Name or Surname PIAO
Inventor's signature <i>[Signature]</i>	Date Jan. 26, 2022
Residence: Suwon-si, Republic of Korea	
Mailing Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea	

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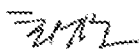
The above identified application was made or was authorized to be made by me.

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

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NAME OF SOLE OR FIRST INVENTOR:	
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	
NAME OF SECOND INVENTOR:	
Given Name (first and middle [if any]) Minsoo	Family Name or Surname PARK
Inventor's signature	Date
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Mailing Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea	
NAME OF THIRD INVENTOR:	
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