# 505719115 10/11/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5765926

SUBMISSION TYPE: NATURE OF CONVEYANCE:		NEW ASSIGNMENT	NEW ASSIGNMENT				
		ASSIGNMENT					
CONVEYING PARTY DA	ATA						
		Name	Execution Date				
MINSEOK CHOI			10/04/2019				
KWANGPYO CHOI			10/04/2019				
JAEHWAN KIM			10/04/2019				
RECEIVING PARTY DA	ТА						
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Street Address:		129, SAMSUNG-RO, YEONGTONG-GU, GYEONGGI-DO					
City:	-	SUWON-SI					
State/Country:		REA, REPUBLIC OF					
Postal Code:	16677	·					
PROPERTY NUMBERS	Total: 1						
Property Type		Number	7				
		Number					
Application Number:		16599291	-				
Application Number:							
Application Number:	ΑΤΑ	16599291					
Application Number: CORRESPONDENCE D Fax Number:		(202)293-7860	successful it will be sent				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be	e sent to	16599291	successful, it will be sent nt via US Mail.				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p	e sent to	16599291 (202)293-7860 • <b>the e-mail address first; if that is un</b>	successful, it will be sent nt via US Mail.				
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Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	e sent to provideo	16599291 (202)293-7860 <b>b the e-mail address first; if that is un</b> <b>l; if that is unsuccessful, it will be sel</b> 202-293-7060 otimoshenko@sughrue.com,sughrue@ SUGHRUE MION, PLLC 2000 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, D.C. 20006	nt via US Mail. sughrue.com				
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Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	e sent to provideo	16599291 (202)293-7860 <b>o the e-mail address first; if that is un</b> <b>i; if that is unsuccessful, it will be sel</b> 202-293-7060 otimoshenko@sughrue.com,sughrue@ SUGHRUE MION, PLLC 2000 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, D.C. 20006 Q249750 /OXANA TIMOSHENKO/	<i>nt via US Mail.</i> sughrue.com				

## **Total Attachments: 2**

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Docket No.: Q249750 Samsung Ref.: MK2019030041US0 Only After Sept 16, 2012

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

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, <u>SAMSUNG ELECTRONICS CO., LTD. of 129</u>, <u>Samsung-ro</u>, <u>Yeongtong-gu</u>, <u>Suwon-si</u>, <u>Gyeonggi-do</u>, <u>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,

I/Wc, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and ihe 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 I/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 I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/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 II The attached application, or directed to:

United States Application or PCT International Application Number \_\_\_\_\_\_filed on \_\_\_\_\_\_.

The application is entitled:

### ARTIFICIAL INTELLIGENCE (AI) ENCODING DEVICE AND OPERATING METHOD THEREOF AND AI DECODING DEVICE AND OPERATING METHOD THEREOF

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 INV	ENTOR:							
Given Name								
(first and middle [if any])	Minseok	Family Name or Surnan	ne	CHOI				
	S. instances	numerie la companya de la companya d						
Inventor's signature			Daie	2019-10-04				
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])	Kwangpyo	Family Name or Surnan	ne	CHOI				
Inventor's signature	<u> </u>		Date	2019,10.04				
Residence: Suwon-si, Republic of Korea								
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NAME OF THIRD INVENTOR:								
Given Name (first and middle [if any])	Jaebwan	Family Name or Surnam	ne	KIM				
Inventor's signature	- AAC		Date	2019.10.04				
Residence: Suwon-si, Republic of Korea								
Mailing Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea								