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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANG-HYO KIM	01/20/2021
GI YOON PARK	01/25/2021
OK-SUN PARK	01/25/2021
HYUNJAE LEE	01/18/2021
HYOSANG JU	01/18/2021
JAESHEUNG SHIN	01/25/2021

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17159681	

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REEL: 055049 FRAME: 0167

PATENT

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NAME OF SUBMITTER:	TAEKSOO LEE	
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DATE SIGNED:	01/27/2021	
Total Attachments: 5		
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PATENT REEL: 055049 FRAME: 0168 출원 자료서를 이용한 실용 또는 디자인 특히 출원 선언 및 양도서 (37 CFR 1.76) DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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발명의 명칭 Title of Invention	LDPC DECODING METHOD AND LDPC DECODING APPARATUS			
	아래에 기명된 발명자로서, 본인은 아래와 같이 선언합니다:			
	As the below named inventor(s), I hereby declare that:			
	医 선언서 难論我:			
	The declaration is directed to:			
	The attached application, or			
	□ 이국 출원 또는 PCT 국제 출원 번호 및 호텔 및 기계			
	출천 일자 United States application or PCT international application number			
	PCT/KR####/##### filed on			
선언 Declaration	상기 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로 신고되었습니다.			
:	The above-identified application was made or authorized to be made by me.			
	본인은 본인이 단독 또는 공동 발영자와 함께 출원서에 주장된 발명사항물 발영한 사람이라고 믿습니다.			
	I believe that I am the original or an original joint inventor of a claimed invention in the application.			
	본인은 의도적인 허위 진술이 통 선인서에 기재되었을 경우 18 U.S.C. 1001 에 의거, 범금행 또는 (5)년 이하의 장역행 또는 두 가지 형벌을 모두 받을 수 있음을 인지합니다.			
	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.			
	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s)			
	Electronics and Telecommunications Research Institute 218 Gajeong-ro, Yuseong-gu, Daejeon, 34129, KOREA Republic of Korea			
	and			
왕도 Assignment	Research & Business Foundation SUNGKYUNKWAN UNIVERSITY 2066 Seobu-ro, Jangan-gu, Suwon-si, Gyeonggi-do 16419 Republic of Korea			
	and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as			

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fully and entirely as the same would have been held by me had this assignment and sale not been made. I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary. I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale. I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. Sang-Hyo KIM 발명자 성명(이용, 성): Inventor Name (First Middle LAST): 발명자의 법적 성명 발명자 서명: Legal Name Inventor Signature: Of Inventor 잃자: 01, 20. Date: Gi Yoon PARK 발명자 성명(이쁨, 성): 28 Inventor Name (First Middle LAST): 밣명자의 법적 성명 : 멀사 仄멍냃 Legal Name Inventor Signature: Of Joint inventor, if 일자: Any Date: Ok-Sun PARK 발명자 성명(이름, 성): 공동 Inventor Name (First Middle LAST): 발명자의 법적 성명 발명자 서명: Legal Name Inventor Signature: Of Joint inventor, if 일자: Any Date:

출원 자료서를 이용한 실용 또는 디자인 특허 출원 선언 및 양도서 (37 CFR 1.76) **DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION** USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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fully and entirely as the same would have been held by me had this assignment and sale not been made. I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary. I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale. I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. 발명자 성명(이름, 성): Sang-Hyo KIM Inventor Name (First Middle LAST): 발명자의 법적 성명 발명자 서명: Legal Name Inventor Signature: Of Inventor 일자: Date: 발명자 성명(이름, 성): Gi Yoon PARK 꿆똟 Inventor Name (First Middle LAST): 발명자의 법적 성명 발명자 서명: Legal Name Inventor Signature: Of Joint inventor, if 일자: . 01, 25. Any Date: Ok-Sun PARK 골동 발명자 성명(이름, 성): Inventor Name (First Middle LAST): 발명자의 법적 성명 발명자 서명: Legal Name Inventor Signature: Of Joint Inventor, If 일자: January 25, 2021 Any Date:

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발명자의 공동	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Hyunjae LEE
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	門冠琳
Inventor, If Any	일자: Date:	41.10 مد.
공동 공동	발명지 성명(이름, 성): Inventor Name (First Middle LAST):	Hyosang JU
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	于主华 <i>一</i>
Inventor, If Any	일자: Date:	D-021.01,18
공동 발명자의	발명자 성영(이름, 성): Inventor Name (First Middle LAST):	Jaesheung SHIN
법칙성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	일자: Dafe:	

A total of	supplemental sheet(s) are			

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공동 발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Hyunjae LEE
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	일자: Date:	

공동 발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Hyosang JU
법적 성명 Legal Name Of Joint	발명자 서명: Inventor Signature:	
Inventor, If Any	일자: Date:	

공동 발명자의	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jaesheung SHIN
법적 성명 Legal Name Of Joint	발영자 서명: Inventor Signature:	
Inventor, If Any	일자: Date:	Jan, 2+4, 2021

A total of ___ supplemental sheet(s) are attached hereto for additional inventors, if any.