PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5279979

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

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HWA JEON SONG	11/09/2018
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16217804

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	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 047757 FRAME: 0507 505233209

Total Attachments: 3 source=Decl_Assmt_JIM0093#page1.tif source=Decl_Assmt_JIM0093#page2.tif source=Decl_Assmt_JIM0093#page3.tif

PATENT REEL: 047757 FRAME: 0508

출원 기료서를 이용한 실용 또는 디자인 특허 출원 선인 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

PR20171295US 밝성의 정칭 NEURAL NETWORK MEMORY COMPUTING SYSTEM AND METHOD Title of invention 이레에 기업된 발명자로서, 본인은 이레와 같이 선언합니다: As the below named inventor(s), I hereby declare that: 동 선언서 제출처: The declaration is directed to: □ 8 章 日 秦 8 . 또는 The attached application, or □ 미국 ★원 또는 PCT 국제 ★원 번호 _____ United States application or PCT international application number filed on ___ MM 중앙은 본인이 작성하였거나 본인의 하락하여 본인 성기 기재원 - 28 S S S Declaration 시교되었습니다. The above-identified application was made or authorized to be made by me. 본인은 본인이 단독 또는 골통 발명자와 함께 좋은서에 주장된 발명사활을 발명한 사랑이라고 믿습니다. I believe that I am the original or an original joint inventor of a claimed invention in the application. 본인은 의도적인 하위 진술이 통 전언서에 기재되었을 경우 18 U.S.C. 1001 에 의거, 불금형 또는 (5) 년 이하의 강역행 또는 두 가지 행별을 모두 병을 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, Republic of Kores 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 815 entire rights, title and interest in and to any and all Patents which may be granted Assianment 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 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,

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	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.			
활명자의 물론 설명 Legal Name Of Inventor	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Ho Young JUNG		
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	잃 자: Date:	Nov. 9 , 20/8		
多	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Hyun Woo KIM		
물목 성명 Legal Name Of Joint Inventor, If Any	발명자 서명: Inventor Signature:	mini		
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발적 성명 Legal Name Of Joint	활명지 서명: Inventor Signature:			
Inventor, If Any	验求: Date:	164. 9. 2018		
용통 발명자의 법적 설명 Legal Name Of Joint	발영자 성영(CI를, 성): Inventor Name (First Middle LAST):	Eui Sok CHUNG		
	黨명자 서명: Inventor Signature:			
inventor, if Any	製 表: Power Date:	Nov.9. 2013		

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PR20171295US 교통 발표자 설립(이름, 성): Jeon Gue PARK 발표자의 Inventor Name (First Middle LAST): 발표 설명 Legal Name Of Joint Inventor, If Any Date: 1/0 / 그 글 , 그 이 / 4

A total of ____ supplemental sheet(s) are attached hereto for additional inventors