PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EKO ONGGOSANUSI	07/13/2016
HONGBO SI	07/13/2016
YOUNG-HAN NAM	07/19/2016

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD	
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City:	SUWON-SI, GYEONGGI-DO	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	16677	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16278614

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2015.09.017.SR1	
NAME OF SUBMITTER:	DANIEL E. VENGLARIK	
SIGNATURE:	/Daniel E. Venglarik/	
DATE SIGNED:	02/18/2019	

Total Attachments: 3

source=2015-09-017-SR1_ExecutedDeclarationAssignment_2019-02-18#page1.tif source=2015-09-017-SR1_ExecutedDeclarationAssignment_2019-02-18#page2.tif source=2015-09-017-SR1 ExecutedDeclarationAssignment 2019-02-18#page3.tif

PATENT REEL: 048362 FRAME: 0460 505333760

DECLARATION (37 CFR L63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET. (37 CFR 1.76) AND ASSIGNMENT

METHOD AND APPARATUS FOR CSI REPORTING		
gned inventor, I hereby declare that:		
declaration and SThe attached application, or Clumited States application or PCT International application number		
The above-identified application was made or authorized to be made by me.		
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 including the claims, for which this combined declaration and assignment 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.		
WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation, having a place of business at 129. Samsung-ro. Yeongtong-gu Suwon-si. Gyeonggi-do. 16677, Korea (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in said invention and to any patent that may be granted thereon in the United States and foreign countries;		
NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged. We, the below named inventors, hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the above-identified application and the invention disclosed therein in all countries, including all divisional applications, continuation applications, and corresponding priority applications including those to which priority is claimed under the International Convention of Paris including under 35 U.S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted thereon, and all reissues thereof.		
We hereby authorize and request the Patent Office Officials in the United States and all foreign countries to issue patents, when granted, to said ASSIGNEE, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may apply for patents for the invention in foreign countries without further authorization from us. Also, We agree to execute all papers and generally to do everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing patents for the invention in all countries.		
I hereby acknowledge that any willful false statement made in this combined declaration and assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF FIRST INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: Eko Onggosanusi Date: 07/(3/2016		
Signature:		

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LEGAL NAME OF SECOND INVENTOR (e.g., for	ll first name, middle initial, fast name)	
Inventor: <u>Hongbo Si</u>	Date: 07/13/2016	
Signature: 10x1/6/2/		
(d		

LEGAL NAME OF THIRD INVENTOR (e.g., full first name, middle initial, last name)		
Inventor: Young-Han Nam	Date: 7/19/2015	
Signature:		

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2015.09.017.SR0

RECORDED: 02/18/2019

PATENT REEL: 048362 FRAME: 0463