## 504920443 05/17/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4967189

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	ATA				
		Name		Execution Date	
LI GUO				05/17/2018	
RECEIVING PARTY DA	ТА				
Name:	SAMSUNG ELECTRONICS CO., LTD.				
Street Address:	129, S/	AMSUNG-RO			
Internal Address:	YEON	YEONGTONG-GU			
City:	SUWON-SI, GYEONGGI-DO				
State/Country:	KOREA, REPUBLIC OF				
Postal Code:	16677				
PROPERTY NUMBERS Property Type Application Number:		Number			
Property Type					
		Number			
Property Type Application Number: CORRESPONDENCE D Fax Number:	ATA	Number 15982938 (972)628-3616			
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## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	METHOD AND APP	ARATUS FOR BEAM INDICATION IN NEXT GENERATIONS WIRELESS SYSTEMS
As the unders	igned inventor, I hereby deel	are that:
This combine assignment is	directed to: United	tached application, or 1 States application or PCT International application number in
The above-ide	entified application was made	or authorized to be made by me.
I believe that	I am the original inventor or	m original joint inventor of a claimed invention in the application.
	ed and understand the conten being submitted.	ts of the application including the claims, for which this combined declaration and
1 am aware of 1.56.	the duty to disclose to the O	ffice all information known to me to be material to patentability as defined in 37 CFR
Sowon-si, Gy	eonegi-do, Korea (hereinafte	, a Korean corporation, having a place of business at 129, Samsung-ro, Yeongtong-gu r referred to as "ASSIGNEE"), desires to acquire the entite right, title and interest in e granted thereon in the United States and foreign countries;
inventors, her above-identifi applications, a Convention o	eby sell, assign and transfer and application and the invert and corresponding priority ap	le consideration, the receipt whereof is hereby acknowledged. We, the below named o said ASSIGNEE, its successors and assigns, the entire right, title and interest in the ion disclosed therein in all countries, including all divisional applications, continuation plications including those to which priority is claimed under the International S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted
granied, to sat apply for pate papers and ge	id ASSIGNEE, its successors ints for the invention in foreig	t Office Officials in the United States and all foreign countries to issue patents, when and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may a countries without further authorization from us. Also, We agree to execute all ible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing
		statement made in this combined declaration and assignment is punishable under 18 t more than five (5) years, or both.
LEGAL NAN	4E OF FIRST INVENTOR (	s.g., full first name, middle mitial, last name)
Inventor: <u>1</u>	<u>í Guo</u>	Date: 05/17/2018
Signature:		,
[	2 2 22	1
ECORDEI	D: 05/17/2018	PATENT REEL: 046186 FRAME: 0890

**RECORDED: 05/17/2018**