506544702 03/09/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6591481

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MINGU LEE	12/20/2019
WONIL CHANG	12/05/2019
YEONSEOK KIM	12/05/2019
KYU WOONG HWANG	12/20/2019
YIN HUANG	12/04/2019
RUOWEI WANG	12/04/2019
HAIJUN ZHAO	12/04/2019
JANGHOON CHO	12/10/2019

RECEIVING PARTY DATA

Name:	QUALCOMM INCORPORATED
Street Address:	5775 MOREHOUSE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121-1714

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17274602

CORRESPONDENCE DATA

Fax Number:	(713)623-4846				
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.					
Phone:	713-623-4844				
Email:	psdocketing@pattersonsheridan.com,sdominguez@pattersonsheridan.com				
Correspondent Name:	PATTERSON + SHERIDAN, LLP				
Address Line 1:	24 GREENWAY PLAZA				
Address Line 2:	SUITE 1600				
Address Line 4:	STON, TEXAS 77046				
ATTORNEY DOCKET NUMBER:	185329USP				
NAME OF SUBMITTER:	STEVEN E. ROBERTS				
SIGNATURE:	/Steven E. ROBERTS/				

DATE SIGNED:	03/09/2021		
Total Attachments: 15			
source=185329_WO2_Assignment#pag	je1.tif		
source=185329_WO2_Assignment#pag	je2.tif		
source=185329_WO2_Assignment#pag	je3.tif		
source=185329_WO2_Assignment#pag	je4.tif		
source=185329_WO2_Assignment#pag	je5.tif		
source=185329_WO2_Assignment#pag	je6.tif		
source=185329_WO2_Assignment#pag	je7.tif		
source=185329_WO2_Assignment#page8.tif			
source=185329_WO2_Assignment#page9.tif			
source=185329_WO2_Assignment#page10.tif			
source=185329_WO2_Assignment#pag	je11.tif		
source=185329_WO2_Assignment#pag	je12.tif		
source=185329_WO2_Assignment#page13.tif			
source=185329_WO2_Assignment#pag	je14.tif		
source=185329_WO2_Assignment#page15.tif			

Page 1 of 5

ASSIGNMENT	转让协议
WHEREAS, WE	鉴于,我们,
1. LEE, Mingu, having a mailing address	1. M. 李,邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号,邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
2. CHANG, Wonil, having a mailing address	 W.张,邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号,邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
3. KIM, Yeonseok, having a mailing address	3. Y. 金, 邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE,SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-
DIEGO,CA 92121-1714, U.S.A.,	1714,
4. HWANG, Kyu Woong, having a mailing address located at 5775 MOREHOUSE DRIVE,SAN DIEGO,CA 92121-1714, U.S.A.,	 K.W. 黄,邮箱地址美国加利福尼亚州 圣地亚哥魔豪斯道 5775 号,邮编 92121- 1714,
5. HUANG, Yin, having a mailing address	 Y. 黄, 邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE,SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-
DIEGO,CA 92121-1714, U.S.A.,	1714,
6. WANG, Ruowei, having a mailing address	 R. 王, 邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
7. ZHAO, Haijun, having a mailing address	 H. 赵, 邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE,SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-
DIEGO,CA 92121-1714, U.S.A.,	1714,
8. CHO, Janghoon, having a mailing address	 J. 赵, 邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to VEHICLE ENTRY DETECTION (collectively the " INVENTIONS ") for which WE have executed and/or may execute one or more patent applications therefor; and	产生了一个或多个与 交通工具进入检测 有关的过程、方法、机器、制品、设计、 物质成分、发明、发现,或者新的或有用 的改进(统称"发明"), 我们 对这种发 明提出和/或可能提出一个或多个专利申 请;及
WHEREAS,QUALCOMMIncorporated (hereinafter "ASSIGNEE"), aDelaware corporation, having a place of businessat 5775 Morehouse Drive, San Diego, California	鉴于,高通公司(以下简称"受让人"), 一家特拉华州的公司,营业地在美国加利 福尼亚州圣地亚哥魔豪斯道 5775 号,邮 编 92121-1714,希望获得或以其他方式取

	185329WO2
	Page 2 of 5
92121-1714, U.S.A., desires to acquire or	得所述发明的所有权利、所有权和权益,
otherwise obtain the entire right, title, and	包括其所有专利申请和所有已授权或此
interest in and to said INVENTIONS, including	后由其可能被授权的专利,包括但不限于
all patent applications therefore, and all patents	下面确定的那些专利。
that have granted or may be granted hereafter	
thereon, including but not limited to those	
identified below.	
NOW, THEREFORE, for good and	因此, 基于我们确认收到的有价值的
valuable consideration, the receipt of which is	对价,我们在此认可,我们已经出售、转
hereby acknowledged, WE do hereby	让、转送、转移,以及据此陈述确实出售、
acknowledge that WE have sold, assigned,	转让、转送以及转移所述发明的在全世界
conveyed, and transferred, and by these presents	的所有权利、所有权和权益予受让人、其
do hereby sell, assign, convey, and transfer, unto	继任者、其合法代表人、及其受让者,包
ASSIGNEE, its successors, its legal	括所有基于所述发明可能已提交或随后
representatives, and its assigns, the entire right,	可能提交的专利申请,包括但不限于申请
title, and interest throughout the world in and to	于 2019 年 10 月 8 日的, 编号为
said INVENTIONS, including all patent	PCT/CN2019/109898_的国际专利合作条
applications therefor that may have been filed or	
	185329W02,要求了提交于 2018年10月
may be filed hereafter for said INVENTIONS	<u>8</u> 日的申请号为 PCT/CN2018/109262
including but not limited to International Patent	<u>。</u> 的优先权,案卷号 <u>185329WO1</u> ,(我们 并
Cooperation Treaty Application No(s).	在此授权受让人及其代表在此后知道有
PCT/CN2019/109898, filed on October 8,	关该发明的申请时,添加这些申请号和/
2019, Docket No. 185329WO2, which claims	申请时间,以及根据国际公约、条约和协
priority to International Application No.	定,所有的实用申请、国家阶段的申请、实
PCT/CN2018/109262, filed on October 8,	用新型申请、分案申请、续展申请、继续
<u>2018</u> , Docket No. <u>185329WO1</u> (and do hereby	申请、部分继续申请、附属申请专利、证
authorize ASSIGNEE and its representative to	字申请、 而力继续 中 间、 而 属 中 间 专 利、 证 实 申 请、 有 效 申 请 和 外 观 设 计 申 请 , 以 及
hereafter add herein such application number(s)	所有已颁专利及随后所有可能的就此发
and/or filing date(s) when known), and all rights	
of priority under International Conventions,	明的再颁、更新、复审、以及对上述所有
Treaties, and Agreements, all utility	此类专利的任何续展的所有优先权;
applications, national phase applications, utility	
model applications, divisional applications,	
renewal applications, continuation applications,	
continuation-in-part applications, patent of	
addition applications, confirmation applications,	
validation applications, and design applications	
thereof, and all issued patents which may have	
granted or may be granted hereafter thereon and	
all reissues, renewals, reexaminations, and	
,	

extensions to any of the foregoing and all patents issuing thereon;	
AND WE DO HEREBY authorize and request any Official of any country or countries whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;	我们在此授权并请求任何国家的任何公务人员,其职责是对提交的申请颁发专利或注册的,基于本法律文书的条款,颁发所述发明的所有专利给所述受让人、其继任者、其合法代表人及其受让者;
AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;	我们在此出售、转让、转送、并转移 给所述受让人、其继任者、其合法代表人 及其受让人,由于妨碍在此转让的权利 (在转让给所述受让人日之前已产生的 或可能已产生的、或可能随后所产生的) 而产生的或与其有关的,要求全部损害的 赔偿或补偿的权利,包括但不限于起诉寻 求、获取、收集、恢复、持有损害赔偿及 任何正在进行或预期的许可使用费的权 利,这些损害赔偿及许可使用费是我们可 能有权或我们可能收取的与任何所述专 利有关的在其颁发前或颁发后由于侵权 或来自任何调解或和解的损害赔偿及许 可使用费;
AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;	我们在此承诺并同意,我们将就我们 所知的关于所述发明的任何事实与所述 受让人、其继任者、其合法代表人、及其 受让者及时沟通,并在任何需要的法律程 序中作证、签署全部合法文件、签署所有 申请书和证书、做出所有正确的声明和/ 或宣誓、并向所述受让人、其继任者、其 合法代表人、及其受让者提供一切合法的 援助,以在所有国家获得和实施所述发明 的专利保护;

Page 4 of 5 我们在此承诺,我们不会签署任何与 AND WE HEREBY covenant that WE 这些陈述相冲突的书面文件或有任何与 will not execute any writing or do any act 这些陈述相冲突的行为; whatsoever conflicting with these presents; 我们同意,本转让协议依据美国加利 AND WE agree this ASSIGNMENT 福尼亚州法律解释,如果本协议的中英文 shall be interpreted under the laws of the State of 文本内容不一致, 以英文文本为准。 California, and that in case of a discrepancy between the English version and the Chinese version of this agreement, the English version shall prevail.

Done at	Second	(City, State)	1	J ⁻ 201 <u>~</u> 年二二	月汕日悠漫	ζip.
🔄 🕮 🖓 day o	f(⊳∝,2	01 🗠 .				
				n an		
LEE, Ming	U					
Name of Inv	entor/		S	lignature	at the second	All
						28 97°.

Done at	(City, State)	于201 年 月 日後署于 。
day of201		
	de la companya de la	
CHANG, Wonil		
Name of Inventor		Signature

Done at	(City, State)		于201 年	JI R	1881	
day of , 201				······································	· · · · · · · · · · · · · · · · · · ·	
•				**************************************		
KIM, Yeonscok						
Name of Inventor			Signature		e najda najem jezer na najem dola se ko	
			anta Managaran Angelana ang kana sa		9000 (C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.	
		l l				

Done at	<u> </u>	(City, State)	于2011年上月之前签署于。
😒 🗠 day of		η	
HWANG, K	yu Woong		
Name of Inve	ntor		Signature
			14 hours

	Page 5 of 5
	我们在此承诺,我们不会签署任何与
	这些陈述相冲突的书面文件或有任何与
AND WE HEREBY covenant that WE	这些陈述相冲突的行为;
will not execute any writing or do any act	
whatsoever conflicting with these presents;	
AND WE agree this ASSIGNMENT	我们同意,本转让协议依据美国加利
shall be interpreted under the laws of the State of	福尼亚州法律解释。如果本协议的中英文
California, and that in case of a discrepancy	文本内容不一致,以英文文本为准。
between the English version and the Chinese	
version of this agreement, the English version	
shall prevail.	

Done at		_(City, State)	于 201 年	月	日签署于	o
day of	, 201	·				
HUANG, Yin						
Name of Inventor			Signature			

Done at		_(City, State)	于 201	年	月	日签署于	0
day of	, 201	· ·					
WANG, Ruowei							
Name of Inventor			Signature				

Done at		_(City, State)	于 201 年 月 日签署于 。
day of	_, 201	•	
ZHAO, Haijun			
Name of Inventor			Signature

Done at		_(City, State)	于 201 年	月	日签署于	o
day of	, 201	•				
CHO, Janghoon						
Name of Inventor			Signature			

185329WO2 Page 1 of 5

ASSIGNMENT	转让协议
WHEREAS, WE	鉴于,我们,
1. LEE, Mingu, having a mailing address	1. M. 李,邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥屬豪斯道 5775 号,邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
2. CHANG, Wonil, having a mailing address	 2. ₩. 张,邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号,邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
3. KIM, Yconscok, having a mailing address	3. Y. 金,邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥鹰豪斯道 5775 号,邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
4. HWANG, Kyu Woong, having a mailing address located at 5775 MOREHOUSE DRIVE, SAN DIEGO, CA 92121-1714, U.S.A.,	 K.W. 黄,邮箱地址美国加利福尼亚州 圣地亚哥魔豪斯道 5775 号,邮编 92121- 1714,
5. HUANG, Yin, having a mailing address	 Y、黄,邮箱地址美国加利福尼亚列圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号,邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
6. WANG, Ruowei, having a mailing address	 R. 王, 邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
7. ZHAO, Haijun, having a mailing address	7. H. 赵, 邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
8. CHO, Janghoon, having a mailing address	8. J. 赵, 邮箱地址美国加利福尼亚州圣
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-
DIEGO, CA 92121-1714, U.S.A.,	1714,
have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to VEHICLE ENTRY DETECTION (collectively the " INVENTIONS ") for which WE have executed and/or may execute one or more patent applications therefor; and	产生了一个或多个与 交通工具进入检测 有关的过程、方法、机器、制品、设计、 物质成分、发明、发现,或者新的或有用 的改进(统称"发明"), 我们 对这种发 明提出和/或可能提出一个或多个专利申 请;及
WHEREAS, QUALCOMM	鉴于, 高通公司(以下简称"受让人"),
Incorporated (hereinafter "ASSIGNEE"), a	一家特拉华州的公司, 营业地在美国加利
Delaware corporation, having a place of business	福尼亚州圣地亚哥魔豪斯道 5775 号, 邮
at 5775 Morehouse Drive, San Diego, California	编 92121-1714, 希望获得或以其他方式取

	Page 2 of 5
92121-1714, U.S.A., desires to acquire or	得所述发明的所有权利,所有权和权益,
otherwise obtain the entire right, title, and	包括其所有专利申请和所有已授权或此
interest in and to said INVENTIONS, including	后由其可能被授权的专利,包括但不限于
all patent applications therefore, and all patents	下面确定的那些专利。
that have granted or may be granted hereafter	
thereon, including but not limited to those	
identified below.	
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged. WE do hereby acknowledge that WE have sold, assigned,	因此,基于我们确认收到的有价值的 对价,我们在此认可,我们已经出售、转 让,转送、转移,以及据此陈述确实出售、 转让,转送以及转移所述发明的在全世界
conveyed, and transferred, and by these presents	的所有权利、所有权和权益子受让人、其
do hereby sell, assign, convey, and transfer, unto	继任者、其合法代表人、及其受让者,包
ASSIGNEE, its successors, its legal	括所有基于所述发明可能已提交或随后
representatives, and its assigns, the entire right,	可能提交的专利申请,包括但不限于申请
title, and interest throughout the world in and to	于 2019 年 10 月 8 日的, 编号为
said INVENTIONS, including all patent	PCT/CN2019/109898_的国际专利合作条
applications therefor that may have been filed or	约申请[列出全部 PCT 申请],案卷号;
may be filed hereafter for said INVENTIONS	<u>185329₩02</u> , 要求了提交于 2018年10月
including but not limited to International Patent	<u>8日</u> 的申请号为 PCT/CN2018/109262
Cooperation Treaty Application No(s).	的优先权,案卷号185329WOI,(我们并
PCT/CN2019/109898, filed on October 8,	在此授权 受让人 及其代表在此后知道有
2019, Docket No. 185329WO2, which claims	关该发明的申请时,添加这些申请号和/
priority to International Application No.	申请时间; 以及根据国际公约、条约和协
PCT/CN2018/109262. filed on October 8,	定,所有的实用申请、国家阶段的申请、实用新型申请、分案申请、续展申请、金案申请、续展申请、金、
2018, Docket No. 185329WO1 (and do hereby	中请、部分继续申请、附属申请专利、证
authorize ASSIGNEE and its representative to	实申请、有效申请和外观设计申请,以及
bereafter add herein such application number(s)	所有已颁专利及随后所有可能的就此发
and/or filing date(s) when known), and all rights	明的再颁、更新、复审、以及对上述所有
of priority under International Conventions,	此类专利的任何续展的所有优先权;
Treaties, and Agreements, all utility	and a constant source of the statistic of the statistical sector of th
applications, national phase applications, utility	
model applications, divisional applications,	
renewal applications, continuation applications, continuation-in-part applications, patent of	
addition applications, confirmation applications,	
validation applications, and design applications	
thereof, and all issued patents which may have	
granted or may be granted hereafter thereon and	
all reissues, renewals, reexaminations, and	
Land Constraint and Constantined Value and	

	Page 3 of 5
extensions to any of the foregoing and all patents issuing thereon;	
AND WE DO HEREBY authorize and request any Official of any country or countries whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;	我们在此授权并请求任何国家的任 何公务人员,其职责是对提交的申请颁发 专利或注册的,基于本法律文书的条款, 预发所述 发明 的所有专利给所述 受让人 、 其继任者,其合法代表人及其受让者;
AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said	我们在此出售、转让、转送、并转移 给所述受让人,其继任者,其合法代表人 及其受让人,由于妨碍在此转让的权利 (在转让给所述受让人日之前已产生的 或可能已产生的、或可能随后所产生的) 而产生的或与其有关的,要求全部损害的 赔偿或补偿的权利,包括但不限于起诉寻 求、获取、收集、恢复、持有损害赔偿及 任何正在进行或预期的许可使用费的权 利,这些损害赔偿及许可使用费是我们可 能有权或我们可能收取的与任何所述专 利有关的在其颁发前或颁发后由于侵权 或来自任何调解或和解的损害赔偿及许 可使用费;
AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;	我们在此承诺并同意,我们将就我们 所知的关于所述发明的任何事实与所述 受让人、其继任者、其合法代表人、及其 受让者及时沟通,并在任何需要的法律程 序中作证、签署全部合法文件、签署所有 申请书和证书,做出所有正确的声明和/ 或宣誓,并向所述受让人、其继任者、其 合法代表人、及其受让者提供一切合法的 援助,以在所有国家获得和实施所述发明 的专利保护;

185329WO2 Page 4 of 5

AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents;	我们在此承诺,我们不会签署任何与 这些陈述相冲突的书面文件或有任何与 这些陈述相冲突的行为;
AND WE agree this ASSIGNMENT shall be interpreted under the laws of the State of California, and that in case of a discrepancy between the English version and the Chinese version of this agreement, the English version shall prevail.	我们 同意,本转让协议依据美国加利 福尼亚州法律解释。如果本协议的中英文 文本内容不一致,以英文文本为准。

Done at		State)	3 20	1 <u>4</u> 6.	<u>н 9</u> 22	8 -4
day of	01 .			1		*** ***********************************
LEE, Mingu						
Name of Inventor			Signa	ture		

<u></u>	******		****		
Done at	(City, State)		于2019年	公用で日際	8 F
<u>aday of ///////////////////////////////////</u>					

CHANC Wanit			10/10/	C.A.S.	
Name of Inventor		:	Signature		
			· · · · · · · · · · · · · · · · · · ·		
<u>.</u>					

Done at <u>Servic</u>	(City, State)	于2011年以月5日答器下。	*****
<u>546</u> day of <u>//.ac-jev</u> . 201		· · · · · · · · · · · · · · · · · · ·	
KIM, Yeonseok			
Name of Inventor		Signature	

Done at(City, State)	于201 年 月 日答案下 。
day of 201	
HWANG, Kyu Woong	
Name of Inventor	Signature

	Page 5 of 5				
AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents;					
AND WE agree this ASSIGNMENT shall be interpreted under the laws of the State of California, and that in case of a discrepancy between the English version and the Chinese version of this agreement, the English version shall prevail.	我们同意,本转让协议依据美国加利 福尼亚州法律解释。如果本协议的中英文 文本内容不一致,以英文文本为准。				
Done at(City, State)	于 201年月日签署于、				
day of, 201					
HUANG, Vin Name of Inventor	Signature				
Done at(City, State)day of, 201	于 201年月日签署于。				
WANG, Ruowei Name of Inventor	Signature				
Done at(City, State)					
day of 201					
ZHAO, Haijun Name of Inventor	Signature				
Done at <u>Second</u> (City, State) <u>104.</u> day of <u>Becomber</u> , 201 <u>9</u> .	<u>于 201_1年上月/《日簽署于"</u>				
CHO, Janghoon Name of Inventor	2 <u>23</u> Signature				

Page 1 of 5

ASSIGNMENT	转让协议			
WHEREAS, WE 1. LEE, Mingu, having a mailing address located at 5775 MOREHOUSE DRIVE, SAN DIEGO, CA 92121-1714, U.S.A.,	 鉴于,我们, 1. M. 李,邮箱地址美国加利福尼亚州圣 地亚哥魔豪斯道 5775 号,邮编 92121- 1714, 			
2. CHANG, Woull, having a mailing address	2. W. 张, 邮箱地址美国加利福尼亚州圣			
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-			
DIEGO, CA 92121-1714, U.S.A.,	1714,			
3. KIM, Yeonseok, having a mailing address	3. Y. 金,邮箱地址美国加利福尼亚州圣			
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号,邮编 92121-			
DIEGO, CA 92121-1714, U.S.A.,	1714,			
4. HWANG, Kyu Woong, having a mailing	4. K.W. 黄,邮箱地址美国加利福尼亚州			
address located at 5775 MOREHOUSE	圣地亚哥魔豪斯道 5775 号,邮编 92121-			
DRIVE, SAN DIEGO, CA 92121-1714, U.S.A.,	1714,			
5. HUANG, Yin, having a mailing address	5. Y. 黄,邮箱地址美国加利福尼亚州圣			
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121			
DIEGO, CA 92121-1714, U.S.A.,	1714,			
6. WANG, Ruowei, having a mailing address	 R. 王, 邮箱地址美国加利福尼亚州圣			
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-			
DIEGO, CA 92121-1714, U.S.A.,	1714,			
7. ZHAO, Haijun, having a mailing address	7. H. 赵, 邮箱地址美国加利福尼亚州圣			
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 6775 号, 邮编 92121-			
DIEGO, CA 92121-1714, U.S.A.,	1714,			
8. CHO, Janghoon, baving a mailing address	8、 J. 赵、郎箱地址美国加利福尼亚州圣			
located at 5775 MOREHOUSE DRIVE, SAN	地亚哥魔豪斯道 5775 号, 邮编 92121-			
DIEGO, CA 92121-1714, U.S.A.,	1714,			
have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to VEHICLE ENTRY DETECTION (collectively the " INVENTIONS ") for which WE have executed and/or may execute one or more patent applications therefor; and	产生了一个或多个与 交通工具进入检测 有关的过程、方法,机器、制品、设计、 物质成分、发明、发现,或者新的或有用 的改进(统称"发明"), 我们 对这种发 明提出和/或可能提出一个或多个专利申 请;及			
WHEREAS, QUALCOMM	鉴于 ,高通公司(以下简称" 受让人 "),			
Incorporated (hereinafter "ASSIGNEE"), a	一家特拉华州的公司,营业地在美国加利			
Delaware corporation, having a place of business	福尼亚州圣地亚哥魔豪斯道 5775 号, 部			
at 5775 Morehouse Drive, San Diego, California	编 92121-1714,希望获得成以其他方式取			

	Page 2 of 5
92121-1714, U.S.A., desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all patent applications therefore, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.	得所述 发明 的所有权利、所有权和权益, 包括其所有专利申请和所有已授权或此 后由其可能被授权的专利,包括但不限于 下面确定的那些专利。
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS including but not limited to International Patent Cooperation Treaty Application No(s). PCT/CN2019/109898, filed on October 8, 2019, Docket No. 185329WO2, which claims priority to International Application No. PCT/CN2018/109262, filed on October 8, 2018, Docket No. 185329WO1 (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application mumber(s) and/or filing date(s) when known), and all rights of priority under International Conventions, Treaties, and Agreements, all utility applications, national phase applications, utility model applications, continuation applications, renewal applications, continuation applications, validation applications, confirmation applications, validation applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and all reissues, renewals, reexaminations, and	因此 , 基于我们确认收到的有价值的 对价, 我们 在此认可, 我们 已经出售、转 让、转送、转移, 以及据此陈述确实出售, 转让、转送以及转移所述 发明 的在全世界 的所有权利, 所有权和权益予 受让人 , 其 继任者、其合法代表人、及其受让者, 包 括所有基于所述 发明 可能已提交或随后 可能提交的专利申请,包括但不限于申请 于 2019 年 10 月 8 日的,编号为 <u>PCT/CN2019/109898</u> 的国际专利合作条 约申请(<i>例出会部 PCT 中语</i>),案卷号, <u>185329%02</u> ,要求了提交于 2018年10月 8 日 的申请号为 <u>PCT/CN2018/109262</u> 的优先权,案卷号 <u>185329W01</u> ,(我们 并 在此授权 受让人 及其代表在此后知道有 关该发明的申请时,添加这些申请号和/ 申请时间,以及根据国际公约、条约和协 定,所有的实用申请、国家阶段的申请,实 用新型申请、分案申请、续展申请、继续 申请,部分继续申请、附属申请专利、征 实申请,有效申请和外观设计申请,以及 所有已颁专利及随后所有可能的就此发 明的再颁,更新、复审,以及对上述所有 此类专利的任何续履的所有优先权,

Page 3	

e	Page 3 of S
extensions to any of the foregoing and all patents issuing thereon;	
AND WE DO HEREBY authorize and request any Official of any country or countries whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;	我们在此授权并请求任何国家的任 何公务人员,其职责是对提交的申请颁发 专利或注册的,基于本法律文书的条款, 颁发所述发明的所有专利给所述受让人, 其继任者、其合法代表人及其受让者,
AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance; AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;	我们在此出售,转让,转送、并转移 给所述受让人、其继任者、其合法代表入 及其受让人,由于妨碍在此转让的权利 (在转让给所述受让人日之前已产生的 或可能已产生的、或可能随后所产生的) 而产生的或与其有关的,要求全部损害的 赔偿或补偿的权利,包括但不限于起诉寻 求、获取、收集、恢复,持有损害赔偿及 任何正在进行或预期的许可使用费的权 利,这些损害赔偿及许可使用费是我们可 能有权或我们可能收取的与任何所述专 利有关的在其顽发前或濒发后由于侵权 或来自任何调解或和解的损害赔偿及许 可使用费; 我们在此承诺并同意,我们将就我们 所知的关于所述发明的任何事实与所述 受让人,其继任者、其合法代表人、及其 受让者及时沟通,并在任何需要的法律程 序中作证、签署全部合法文件、签署所有 申请书和证书、做出所有正确的声明和/ 或宣誓,并向所述受让人,其继任者,其 合法代表人,及其受让者提供一切合法的 援助,以在所有国家获得和实施所述发明 的专利保护;

	rage 4 or 5
AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents;	我们在此承诺,我们不会签署任何与 这些陈述相冲突的书面文件或有任何与 这些陈述相冲突的行为;
AND WE agree this ASSIGNMENT shall be interpreted under the laws of the State of California, and that in case of a discrepancy between the English version and the Chinese version of this agreement, the English version shall prevail.	我们问意,本转让协议依据美国加利 福尼亚州法律解释。如果本协议的中英文 文本内容不一致,以英文文本为准。

Done at	(City, State	F 201	年 月	883	<u></u>
day of	. 201				•
LEE, Mingu			*******		
Name of inventor		Nignature	2010-000-000-000-000-00 \$		

Done at	(City, State)	于201 年 月 日冬累十
day of, 201_		
CHANG, Wonil		
Name of Inventor		Signature
L		

Done at	(City, State)		于201 年 月 日後署于 、
day of 201			and a second
\$			
KIM, Yeonseok			······
Name of Inventor		12	Signature
Į	į	<u>.</u>	

Done at	(City, State)		F-201	年月	828	r
day of	201			•		
					. Na per provinció de la deserva.	
HWANG, Kyu Woong						
Name of Inventor			Signature	x ×		e normalise de sueber foetbe
		9 				
		Ì		****	*****	
		-				

185329WO2 Page 5 of 5

	我们在此承诺,我们不会签署任何与
AND WE HEREBY covenant that V will not execute any writing or do any a whatsoever conflicting with these presents;	
AND WE agree this ASSIGNME? shall be interpreted under the laws of the State California, and that in case of a discrepan between the English version and the Chine version of this agreement, the English versi shall prevail.	of 福尼亚州法律解释。如果本协议的中英文 cy 文本内容不一致,以英文文本为准。 se
Done at <u>beijing</u> (City, State) 04 day of December, 201	于2012年近月4日簽署于建养。
HUANG, Vin Name of Inventor Xin Huseg	Signature EX
Done at <u>briting</u> (City, State) 24- day of December 2019.	于2011年12月4日簽署于此業。
WANG, Ruowei Nome of Inventor	能快 Signature
Warg Rronsi	
Done at <u>\$2.5mg</u> (City, State) 24 day of <u>polym</u> ly 201 9	于2012年止月,4日容易于主義。
ZHAO, Haijun Name of Inventor	Signature
Haijun Zhao	赵油峯
Done at(City, State) day of, 201,	于 201_年月日装装于、
CHO, Janghoon Name of Inventor	Signature

RECORDED: 03/09/2021