PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QINGLONG ZENG	09/20/2018
ROBERTO FRANCISCO-YI LU	09/27/2018
SONGPING CHEN	09/20/2018
ZHIYONG DAI	09/26/2018
DANDAN ZHANG	09/26/2018
LVHAI HU	09/26/2018
YUN LIU	09/26/2018
CHANGJUN WANG	09/29/2018

RECEIVING PARTY DATA

Name:	TYCO ELECTRONICS (SHANGHAI) CO. LTD.
Street Address:	SECTIONS F & G, LEVEL 1, BUILDING 15, NO. 999 YINGLUN RD.
Internal Address:	CHINA (SHANGHAI) PILOT FREE TRADE ZONE
City:	SHANGHAI
State/Country:	CHINA
Name:	TE CONNECTIVITY CORPORATION
Street Address:	1050 WESTLAKES DRIVE
City:	BERWYN
State/Country:	PENNSYLVANIA
Postal Code:	19312
Name:	SHENZHEN AMI TECHNOLOGY CO., LTD.
Street Address:	1/F, H2 BUILDING, HONGFA HI-TECH INDUSTRIAL PARK
Internal Address:	TANGTOU BLVD., SHIYAN, BAOAN DISTRICT
City:	SHENZHEN
State/Country:	CHINA
Name:	MEASUREMENT SPECIALTIES (CHINA) LTD.
Street Address:	HIGH-TECH PARK NORTH REGION
Internal Address:	26, LANG SHAN ROAD, NANSHAN DISTRICT
City:	SHENZHEN CITY
State/Country:	CHINA
Postal Code:	518057

PATENT REEL: 047302 FRAME: 0073

505156816

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16169241

CORRESPONDENCE DATA

Fax Number: (610)889-3696

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: 610-889-3699

Email: berwynipdocket@barley.com

Correspondent Name: BARLEY SNYDER

Address Line 1: 2 GREAT VALLEY PARKWAY

Address Line 2: SUITE 110

Address Line 4: MALVERN, PENNSYLVANIA 19355

ATTORNEY DOCKET NUMBER:	21334-2710
NAME OF SUBMITTER:	SALVATORE ANASTASI
SIGNATURE:	/Salvatore Anastasi/
DATE SIGNED:	10/24/2018

Total Attachments: 6

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PATENT REEL: 047302 FRAME: 0074

IP Portal 10-Oct-2018 Our Ref.: P196812.US.01 Client Ref.: TE-00053 US

Attorney Docket No.: 21334-2710

COMBINED DECLARATION AND ASSIGNMENT

As a below-named inventor, I hereby declare that:	
this declaration is directed to inventions and improvements disclosed in:	
☐ the attached application, or	
United States application or PCT international application numberon entitled Positioning Device ("the APPLICATION)	filec
The APPLICATION was made or authorized to be made by me;	
I believe that I am the original inventor or an original joint inventor of a claimed inv APPLICATION;	ention in the
I have reviewed and understand the contents of the APPLICATION, including the clain aware of the duty to disclose to the United States Patent and Trademark Office all information me to be material to patentability as defined in 37.C.F.R 1.56; AND	ms, and I am nation known
I hereby acknowledge that any willful false statement made in this declaration is punish. U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	able under 18
As a below named and signing inventor, acknowledging that I have assigned or hobligations to assign the APPLICATION to:	ave
Tyco Electronics (Shanghai) Co. Ltd. AND Shenzhen AMI Technology Co., Ltd.	AND TE

Tyco Electronics (Shanghai) Co. Ltd. AND Shenzhen AMI Technology Co., Ltd. AND TE Connectivity Corporation AND Measurement Specialties (China) Ltd. ("ASSIGNEE"), corporations organized and existing under and by virtue of the laws of China and United States having its principal place of business at Sections F and G Level 1 Building 15 No. 999 Yinglun Road, China (Shanghai) Pilot Free Trade Zone, Shanghai, China and 1/F, H2 Bldg, Hongfa Hi-tech Industrial Park, Tangtou Blvd, Shiyan, Baoan District, Shenzhen, China and 1050 Westlakes Drive, Berwyn, Pennsylvania 19312, United States and High-Tech Park North Region, 26, Lang Shan Road, Nanshan District, Shenzhen City 518057, China,

for a valuable consideration, the receipt of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, my full and entire right, title and interest in and to the APPLICATION, the inventions and improvements disclosed in the APPLICATION, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent to be granted and issued therefor, not only for, to and in the rights under the International Convention, and all reissues, re-examinations, renewals or extensions thereof, and I hereby authorize and request the United States Patent and Trademark Office and/or other patent office(s) to issue said Letters Patent to said ASSIGNEE, its successors and assigns, in accordance with this assignment

Legal Name	Signature	Date
DAI, Zhiyong		
ZHANG, Dandan		00.000000000000000000000000000000000000
LU, Roberto Francisco-Yi		# T

IP Portal 10-Oct-2018

Our Ref.: P196812.US.01 Client Ref.: TE-00053 US

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LiU, Yun			
WANG, Changjun			***************************************

IP Portal 10-Oct-2018

Our Ref.: P196812.US.01 Client Ref.: TE-00053 US

Attorney Docket No.: 21334-2710

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As a below-named inventor, I hereby declare that:
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I the attached application, or
United States application or PCT international application numberfiled on, entitled <u>Positioning Device</u> ("the APPLICATION)
The APPLICATION was made or authorized to be made by me;
believe that I am the original inventor or an original joint inventor of a claimed invention in the APPLICATION;
have reviewed and understand the contents of the APPLICATION, including the claims, and I am aware of the duty to disclose to the United States Patent and Trademark Office all information known o me to be material to patentability as defined in 37.C.F.R 1.56; AND
hereby acknowledge that any willful false statement made in this declaration is punishable under 18 J.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
As a below named and signing inventor, acknowledging that I have assigned or have

Tyco Electronics (Shanghai) Co. Ltd. AND Shenzhen AMI Technology Co., Ltd. AND TE Connectivity Corporation AND Measurement Specialties (China) Ltd. ("ASSIGNEE"), corporations organized and existing under and by virtue of the laws of China and United States having its principal place of business at Sections F and G Level 1 Building 15 No. 999 Yinglun Road, China (Shanghai) Pilot Free Trade Zone, Shanghai, China and 1/F, H2 Bldg, Hongfa Hi-tech Industrial Park, Tanglou Blvd, Shiyan, Baoan District, Shenzhen, China and 1050 Westlakes Drive, Berwyn, Pennsylvania 19312, United States and High-Tech Park North Region, 26, Lang Shan Road, Nanshan District, Shenzhen City 518057, China,

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Legal Name	Signature	Date
DAI, Zhiyong		
ZHANG, Dandan		
LU, Roberto Francisco-Yi	1046671	2018.9.27

Page 1 of 2

IP Portal 10-Oct-2018 Our Ref.: P196812.US.01 Client Ref.: TE-00053 US

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HOU, Xiangyou		
ZENG, Qinglong		
HU, Lvhai		
LIU, Yun		
WANG, Changjun		

IF Portal 10-Oct-2018 Our Ref.: P196812.US.01 Client Ref.: TE-00053 US

Attorney Docket No.: 21334-2710

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The APPLICATION was made or authorized to be made by me;
I believe that I 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, and I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37.C.F.R 1.56; AND
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.
As a below named and signing inventor, acknowledging that I have assigned or have obligations to assign the APPLICATION to:
Tyco Electronics (Shanghai) Co. Ltd. AND Shenzhen AMI Technology Co., Ltd. AND TE Connectivity Corporation AND Measurement Specialties (China) Ltd. ("ASSIGNEE"), corporations organized and existing under and by virtue of the laws of China and United States having its principal

place of business at Sections F and G Level 1 Building 15 No. 999 Yinglun Road, China (Shanghai) Pilot Free Trade Zone, Shanghai, China and 1/F, H2 Bldg, Hongfa Hi-tech Industrial Park, Tangtou Blvd, Shiyan, Baoan District, Shenzhen, China and 1050 Westlakes Drive, Berwyn, Pennsylvania 19312, United States and High-Tech Park North Region, 26, Lang Shan Road, Nanshan District, Shenzhen City 518057, China,

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Legal Name	Signature	Date
DAI, Zhiyong	Dai Zhinong	ZVK. 9.26
ZHANG, Dandan	Janin Zlang	2018.9.26
LU, Roberto Francisco-Yi	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	

REEL: 047302 FRAME: 0079

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WANG, Changjun	Wary Junya	2018-9-29