502083449 10/03/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the address of assignee previously recorded on Reel 028633 Frame 0977. Assignor(s) hereby confirms the assignment.

CONVEYING PARTY DATA

Name	Execution Date
Bruce Foster Bishop	09/28/2012
Luis Cardenas	09/28/2012

RECEIVING PARTY DATA

Name:	Tyco Electronics Corporation	
Street Address:	1050 Westlakes Drive	
City:	Berwyn	
State/Country:	PENNSYLVANIA	
Postal Code:	19312	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13557483

CORRESPONDENCE DATA

Fax Number: 6503615623

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

 Phone:
 6503612344

 Email:
 kmcgee@te.com

Correspondent Name: Tyco Electronics Corporation

Address Line 1: 309 Constitution Drive

Address Line 2: Intellectual Property Law Dept.

Address Line 4: Menlo Park, CALIFORNIA 94025

ATTORNEY DOCKET NUMBER:	CD-01730-US
NAME OF SUBMITTER:	Rosa S. Kim, Reg. No. 39,728

Total Attachments: 4

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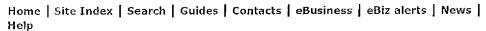
> PATENT REEL: 029073 FRAME: 0652

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United States Patent and Trademark Office





Electronic Patent Assignment System

Confirmation Receipt

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT	

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Bruce Foster Bishop	07/24/2012
Luis Cardenas	07/24/2012

RECEIVING PARTY DATA

Name:	Tyco Electronics Corporation
Street Address:	1070 Westlakes Drive
City:	Berwyn
State/Country:	PENNSYLVANIA
Postal Code:	19312

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13557483

CORRESPONDENCE DATA

Fax Number:

650-361-56

Phone:

650 361 2483

Email:

mgerstne@tycoelectronics.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: Address Line 1:

Tyco Electronics Corporation 309 Constitution Drive

> **PATENT** REEL: 029073 FRAME: 0653

Address Line 2: Mail Stop R34/2A Address Line 4: Menlo Park, CALIFORNIA 94025	
ATTORNEY DOCKET NUMBER:	100.1219US01/CD-01730-US
NAME OF SUBMITTER:	Lisa D. Gentry
Signature:	/Lisa D. Gentry/
Date:	07/25/2012
Total Attachments: 2 source=00313056#page1.tif source=00313056#page2.tif	
RECEIPT INFORMATION	
EPAS ID: PAT203814 Receipt Date: 07/25/2012 Fee Amount: \$40	·

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PATENT REEL: 029073 FRAME: 0654

ASSIGNMENT

WHEREAS, we, Bruce Foster Bishop residing at 1650 Cox Road, Aptos, CA 95003; Luis Cardenas residing at 87 Portola Circle, Watsonville, CA 95076; made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States filed herewith, entitled MULTI-ELEMENT OMNI-DIRECTIONAL ANTENNA (the "Application").

AND WHEREAS, Tyco Electronics Corporation, a corporation organized and existing under and by f the laws of the State of Pennsylvania, and having an office and place of business at 1070 Westlakes

Berwyn, Pensylvania 19312, (hereinafter "Assignee") is desirous of accuration. virtue of the laws of the State of Pennsylvania, and having an office and place of business at 1070 Westlakes Drive, Berwyn, Pensylvania 19312, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to the inventions, improvements and the Application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the Application, and in and to the Application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration identified above, we do agree that me and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to the Assignee, its successors and representatives all facts known to me relating to the improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in the Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with the Assignce, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

> PATENT REEL: 029073 FRAME: 0655

ATTORNEY DOCKET: 100.1219US01 PAGE 2 OF 2
IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of Jucy,
2012. Hambaile
STATE of COLIFORNIA Bruce Foster Bishop
STATE of CALIFORNIA State of SANTA CRUZ
On this 24 day of 50, 2012, before me personally appeared Bruce Foster Bishop to me known to be the person described herein and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.
STEPHANIE HARDING Commission # 1977510 Notary Public - California Santa Cruz County My Comm. Expires Jun 3, 2016
IN TESTIMONY WHEREOF, I have hereunto set my hand this <u>24</u> day of <u>1017</u> ,
2012. Lus Cardenas Lus Cardenas
STATE of Collins Cardenas
COUNTY of Service County of Se
On this 24 day of 3012, before me personally appeared Luis Cardenas to me known to be the person described herein and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.
[SEAL]
STEPHANIE HARDING Commission # 1977510 Notary Public - California Santa Cruz County My Comm. Expires Jun 3, 2016

Assignment
Title: MULTI-ELEMENT OMNI-DIRECTIONAL ANTENNA

PATENT REEL: 029073 FRAME: 0656

RECORDED: 10/03/2012