

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Reddy Vangala	08/18/2010
Tri Dinh	08/18/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CTS Corporation
<b>Street Address:</b>	905 West Boulevard North
<b>City:</b>	Elkhart
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46514
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12799859
<b>CORRESPONDENCE DATA</b>	
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<b>Correspondent Name:</b>	Daniel J. Deneufbourg, Esq.
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<b>Address Line 2:</b>	2375 Cabot Drive
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<b>ATTORNEY DOCKET NUMBER:</b>	WC0178.2
<b>NAME OF SUBMITTER:</b>	Daniel J. Deneufbourg
<b>Total Attachments: 2</b> source=WC0178.2 assignment Vangala#page1.tif source=WC0178.2 assignment Dinh#page1.tif	

CH \$40.00 12799859

**ASSIGNMENT**

WHEREAS, I, Reddy Vangala, of the City of Albuquerque, Bernalillo County, New Mexico, have made a certain new and useful invention entitled "CERAMIC MONOBLOCK FILTER WITH INDUCTIVE DIRECT-COUPLING AND QUADRUPLET CROSS-COUPLING", including the subject matter described and claimed in the application for Letters Patent of the United States, U.S. Application Serial No. 12/799,859 filed May 4, 2010; and

WHEREAS, CTS CORPORATION, a corporation duly organized under the laws of the State of Indiana and doing business in the City of Elkhart, the County of Elkhart and the State of Indiana, is desirous of acquiring the full and exclusive right, title and interest which I have or may have in and to the invention and the application, including any continuation and any division of the application, and any Letters Patent of the United States and of foreign countries that may be granted for the invention, and any renewal, any reissue and any extension of any such Letters Patent;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, I do hereby assign to CTS CORPORATION all the right, title and interest which I have or may have in and to the invention and the application and any Letters Patent of the United States and of foreign countries that may be granted for the invention and any renewal, any reissue and any extension of any such Letters Patent; the same to be held and enjoyed by CTS CORPORATION, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment had not been made, and I hereby covenant and warrant that I have not executed and will not execute any instrument purporting to convey, mortgage, lease or otherwise transfer all, or any part of the interest, to anyone other than CTS CORPORATION, its successors, legal representatives and assigns.

And, for the above consideration, I hereby covenant and agree that I will, at the request of CTS CORPORATION, its successors, legal representatives and assigns, execute any and all renewal, continuation and divisional applications, both United States and foreign, for Letters Patent for the invention; and any and all applications for the renewal, the reissue and the extension of any Letters Patent, both United States and foreign, that may be granted for the invention and do any and all other and further acts to obtain any such Letters Patent, and any renewal, any reissue and any extension of the same that CTS CORPORATION, its successors, legal representatives and assigns may deem necessary or expedient, without further compensation, but at the expense of CTS CORPORATION, its successors, legal representatives and assigns.

Dated: 8/18/10

Reddy R. Vangala  
Reddy R. Vangala

STATE OF NEW MEXICO        )  
  ) SS  
COUNTY OF BERNALILLO    )

I, Tina L. Cigliano-Sisneros, Notary Public in and for said County, in the United States, do hereby certify that Reddy R. Vangala, personally known to me to be the same person whose name is subscribed to in the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered such instrument as his free and voluntary act for the uses and purposes set forth.

GIVEN under my hand and Notarial Seal this 18<sup>th</sup> day of August, 2010.

Tina L. Cigliano-Sisneros  
NOTARY PUBLIC

(NOTARIAL SEAL)



