

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Robert Frodl</td><td>04/21/2006</td></tr><tr><td>Hans-Dirk Loewe</td><td>04/24/2006</td></tr></tbody></table>	Name	Execution Date	Robert Frodl	04/21/2006	Hans-Dirk Loewe	04/24/2006	
Name	Execution Date						
Robert Frodl	04/21/2006						
Hans-Dirk Loewe	04/24/2006						
RECEIVING PARTY DATA							
Name:	Tyco Electronics Raychem GmbH						
Street Address:	Finsinger Feld 1						
City:	Ottobrunn						
State/Country:	GERMANY						
Postal Code:	85521						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11380298</td></tr></tbody></table>	Property Type	Number	Application Number:	11380298			
Property Type	Number						
Application Number:	11380298						
CORRESPONDENCE DATA							
Fax Number:	(717)291-4660						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	21334-1588						
NAME OF SUBMITTER:	Jennifer Mae Slonaker						
Total Attachments: 3 source=Executed Assignment - 21334-1588#page1.tif source=Executed Assignment - 21334-1588#page2.tif source=Executed Assignment - 21334-1588#page3.tif							

11380298
CH \$40.00

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PATENT
REEL: 017531 FRAME: 0756

ASSIGNMENT

We, Robert FRODL and Dr. Hans-Dirk LOEWE, who reside respectively at:

Zauberwaldstrasse 8, 81825 München, Germany
Grabenfleckstrasse 4, 81249 München, Germany

have made certain inventions or discoveries (or both) set forth in a patent application in Germany entitled:

**"GAS SENSOR ARRANGEMENT AND MEASURING METHOD
FOR IMPROVING LONG-TERM STABILITY"**

which application was executed by the inventor(s) on the date(s) of execution of this assignment and is identified by Attorney Docket Number E-PG-00018, and German Patent Application No. 10 2005 022 288.9 filed the 13th day of May, 2005,

and Tyco Electronics Raychem GmbH whose address is Finsinger Feld 1, 85521 Ottobrunn, Germany

and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to me/us, receipt and sufficiency of which I/we hereby acknowledge, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said patent application in Germany, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the empowered officials of all governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patent or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries, and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs and legal representatives, as well as myself, to do, upon Assignee's request and at its expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as

fully and entirely as the same could have been held and enjoyed by me or my heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the 13th day of May, 2005.

In testimony whereof we have affixed our signatures.

Inventor 1: Frodl Date: 2006-APR-21
Robert Frodl

Witness: W. H. H. H. H. Date: 2006-APR-21

Inventor 2: _____ Date: _____
Hans-Dirk Loewe

Witness: _____ Date: _____

fully and entirely as the same could have been held and enjoyed by me or my heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the 13th day of May, 2005.

In testimony whereof we have affixed our signatures.

Inventor 1: _____ Date: _____
Robert Frodl

Witness: _____ Date: _____

Inventor 2: Hans-Dirk Loewe Date: 24.4.06
Hans-Dirk Loewe

Witness: [Signature] Date: 24.4.06