

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Markus Hoffmann</td> <td>09/09/2002</td> </tr> <tr> <td>Karl Lubitz</td> <td>09/05/2002</td> </tr> <tr> <td>Michael Riedel</td> <td>09/16/2002</td> </tr> <tr> <td>Michael Weinmann</td> <td>09/05/2002</td> </tr> </tbody> </table>		Name	Execution Date	Markus Hoffmann	09/09/2002	Karl Lubitz	09/05/2002	Michael Riedel	09/16/2002	Michael Weinmann	09/05/2002
Name	Execution Date										
Markus Hoffmann	09/09/2002										
Karl Lubitz	09/05/2002										
Michael Riedel	09/16/2002										
Michael Weinmann	09/05/2002										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Siemens Aktiengesellschaft</td> </tr> <tr> <td>Street Address:</td> <td>Wittelsbacherplatz 2</td> </tr> <tr> <td>City:</td> <td>Muenchen</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>D-80333</td> </tr> </table>		Name:	Siemens Aktiengesellschaft	Street Address:	Wittelsbacherplatz 2	City:	Muenchen	State/Country:	GERMANY	Postal Code:	D-80333
Name:	Siemens Aktiengesellschaft										
Street Address:	Wittelsbacherplatz 2										
City:	Muenchen										
State/Country:	GERMANY										
Postal Code:	D-80333										
<table border="1"> <tr> <td>Name:</td> <td>Festo AG & Co. KG</td> </tr> <tr> <td>Street Address:</td> <td>Ruiter Strasse 82</td> </tr> <tr> <td>City:</td> <td>Esslingen</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>D-73734</td> </tr> </table>		Name:	Festo AG & Co. KG	Street Address:	Ruiter Strasse 82	City:	Esslingen	State/Country:	GERMANY	Postal Code:	D-73734
Name:	Festo AG & Co. KG										
Street Address:	Ruiter Strasse 82										
City:	Esslingen										
State/Country:	GERMANY										
Postal Code:	D-73734										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>6762536</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	6762536						
Property Type	Number										
Patent Number:	6762536										
CORRESPONDENCE DATA											
Fax Number:	(954)925-1101										
Phone:	954-925-1100										
Email:	patents@patentusa.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Lerner Greenberg Sterner LLP										

OP \$40.00 6762536

Address Line 1:	2445 Hollywood Blvd
Address Line 4:	Hollywood, FLORIDA 33020

ATTORNEY DOCKET NUMBER:	6,762,536
-------------------------	-----------

NAME OF SUBMITTER:	Werner H. Stemer
--------------------	------------------

Total Attachments: 6 source=ASSIGNN#page1.tif source=ASSIGNN#page2.tif source=ASSIGNN#page3.tif source=ASSIGN-027#page1.tif source=ASSIGN-027#page2.tif source=ASSIGN-027#page3.tif

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Markus Hoffmann
residing at:
Hölderlinstraße 11
D-72649 Wolfsschlugen
GERMANY

Dr. Karl Lubitz
residing at:
Röntgenstr. 20
85521 Ottobrunn
GERMANY

Michael Riedel
residing at:
Joh.-Seb.-Bach Str. 6
96472 Rödental
GERMANY

Dr. Michael Weinmann
residing at:
Rechbergstraße 1
D-73655 Plüderhausen
GERMANY

residing at:

residing at:

residing at:

residing at:

hereby sell, assign, and transfer to

Siemens Aktiengesellschaft / Festo AG & Co.

a German corporation organized and existing under the laws of the Federal Republic of Germany, having its principal place of business in Munich, Esslingen, GERMANY herein the "Assignee", its successors, assigns and legal representatives the entire and exclusive right, title and interest in and for the United States, in all and to any improvements in the

(Title:) **PEIZOCERAMIC BENDING TRANSDUCER AND USE THEREOF**

disclosed in the PCT international application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No. **2000P08536WOUS**
and filed as PCT-application **PCT/DE01/01371**

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements;

IDNR: 4248 / V: 99-1.00 / B: Val

hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and

hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: _____

Markus Hoffmann

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: 05.09.2002

Karl Lubitz
Karl Lubitz

Witnesses: Hermann Bödinger
(type name) BÖDINGER

Witnesses: Dr. Rüdiger
(type name) DENZLER

Date: 16. Sep. 2002

Michael Riedel
Michael Riedel

Witnesses: [Signature]
(type name) LANGENBERGER

Witnesses: [Signature]
(type name) Zipfel

Date: 9/5/02

Michael Weinmann
Michael Weinmann

Witnesses: Rainer Mohr
(type name) RAINER MOHR

Witnesses: Gmelin, Thomas
(type name) GMELIN, THOMAS

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Markus Hoffmann
residing at:
Hölderlinstraße 11
D-72649 Wolfsschlügen
GERMANY

Dr. Karl Lubitz
residing at:
Röntgenstr. 20
85521 Ottobrunn
GERMANY

Michael Riedel
residing at:
Joh.-Seb.-Bach Str. 6
96472 Rödental
GERMANY

Dr. Michael Weinmann
residing at:
Rechbergstraße 1
D-73655 Plüderhausen
GERMANY

residing at:

residing at:

residing at:

residing at:

hereby sell, assign, and transfer to

Siemens Aktiengesellschaft / Festo AG & Co.

a German corporation organized and existing under the laws of the Federal Republic of Germany, having its principal place of business in Munich, Esslingen, GERMANY herein the "Assignee", its successors, assigns and legal representatives the entire and exclusive right, title and interest in and for the United States, in all and to any improvements in the

(Title:) **PEIZOCERAMIC BENDING TRANSDUCER AND USE THEREOF**

disclosed in the PCT international application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No. **2000P08536WOUS**
and filed as PCT-application **PCT/DE01/01371**

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements;

hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and

hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 9.9.2002

Markus Hoffmann
Markus Hoffmann

Witnesses: Volker Laible
(type name)

Witnesses: Walter Kuh Busch
(type name)

Date: _____

Karl Lubitz

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Michael Riedel

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: 9/5/02Michael Weinmann
Michael WeinmannWitnesses: Rainer Mohr
(type name) RAINER MOHRWitnesses: Julia Thomas
(type name) GMELIN, THOMAS

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)

Date: _____

Witnesses: _____
(type name)Witnesses: _____
(type name)