

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Harald Johannes Kastl</td> <td>01/21/2008</td> </tr> <tr> <td>Dr. Andreas Lenk</td> <td>01/07/2008</td> </tr> <tr> <td>Dr. Carsten Schuh</td> <td>12/21/2007</td> </tr> <tr> <td>Claus Zumstrull</td> <td>01/07/2008</td> </tr> </tbody> </table>		Name	Execution Date	Harald Johannes Kastl	01/21/2008	Dr. Andreas Lenk	01/07/2008	Dr. Carsten Schuh	12/21/2007	Claus Zumstrull	01/07/2008
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Dr. Andreas Lenk	01/07/2008										
Dr. Carsten Schuh	12/21/2007										
Claus Zumstrull	01/07/2008										
RECEIVING PARTY DATA											
Name:	Siemens Aktiengesellschaft										
Street Address:	Wittelsbacherplatz 2										
City:	Muenchen										
State/Country:	GERMANY										
Postal Code:	80333										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11996573</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11996573						
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Application Number:	11996573										
CORRESPONDENCE DATA											
Fax Number:	(512)322-8383										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	512.322.2601										
Email:	apatent@bakerbotts.com										
Correspondent Name:	Baker Botts L.L.P.										
Address Line 1:	Andreas Grubert (071308.0910)										
Address Line 2:	98 San Jacinto, Suite 1500										
Address Line 4:	Austin, TEXAS 78701-4039										
ATTORNEY DOCKET NUMBER:	071308.0910										
NAME OF SUBMITTER:	Alfonso E. Juarez										
Total Attachments: 5											

CH \$40.00 11996573

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**PATENT
 REEL: 020547 FRAME: 0360**

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ASSIGNMENT

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

Harald Johannes Kastl
residing at:
Bayreuther Str. 22
95686 Fichtelberg
GERMANY

Dr. Andreas Lenk
residing at:
Windmühlenhöhe 11
01728 Bannewitz Ot Possendorf
GERMANY

Dr. Carsten Schuh
residing at:
Heideweg 9
85598 Baldham
GERMANY

Claus Zumstrull
residing at:
Zum Vogelherd 3
93128 Regenstauf
GERMANY

residing at:

residing at:

residing at:

residing at:

hereby sell, assign, and transfer to

Siemens Aktiengesellschaft
a German corporation
organized and existing under the laws of GERMANY
having its (their) principal place of business in München; GERMANY

herein the "Assignee(s)", its (their) successor(s), assigns and legal representatives the entire and exclusive right, title and interest in and for the United States and for any of the Contracting States bound by the PCT on the international filing date, in all and to any improvements in the

(Title:) **MONOLITHIC PIEZOACTUATOR WITH ROTATION OF THE POLARISATION IN THE TRANSITION REGION AND USE OF SAID PIEZOACTUATOR**

disclosed in the PCT international application for Letters Patent designating the United States and any of the Contracting States bound by the PCT on the international filing date, said application being identified in our records as

Applicants File No. 2005P13361WOUS
and filed as PCT-application PCT/EP2006/064682

IDNR: 4248 / 06.06.2007

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 and any of the Contracting States bound by the PCT on the international filing date 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 and any of the Contracting States bound by the PCT on the international filing date on said improvements;

hereby agree that said Assignee(s) may apply for and receive Letters Patent for said improvements in its (their) own name and that when requested without charge to but at the expense of said Assignee(s), its (their) successor(s), 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(s), its (their) successor(s), 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(s), its (their) successor(s), 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(s), its (their) successor(s), assigns, and legal representatives; and hereby covenant with said Assignee(s), its (their) successor(s), 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: 21.01.08

Witnesses: [Signature]

(printed name: Claus Bamberg)

[Signature]

Harald Johannes Kastl

Witnesses: [Signature]

(printed name: CHRISTIAN RETCHINGBERG)

Date: _____

Witnesses: _____

(printed name: _____)

Dr. Andreas Lenk

Witnesses: _____

(printed name: _____)

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 and any of the Contracting States bound by the PCT on the international filing date 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 and any of the Contracting States bound by the PCT on the international filing date on said improvements;

hereby agree that said Assignee(s) may apply for and receive Letters Patent for said improvements in its (their) own name and that when requested without charge to but at the expense of said Assignee(s), its (their) successor(s), 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(s), its (their) successor(s), 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(s), its (their) successor(s), 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(s), its (their) successor(s), assigns, and legal representatives; and hereby covenant with said Assignee(s), its (their) successor(s), 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: _____

Harald Johannes Kastl

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: 7.1.08

Andreas Lenk
Dr. Andreas Lenk

Witnesses: R. Gamm

Witnesses: M. Hoffmann

(printed name: Rüdiger Gamm)

(printed name: Matthias Hoffmann)

3

2005P13361WOUS

Date: 21.12.2007

Carsten Schuh
Dr. Carsten Schuh

Witnesses: Katrin Benkert
(printed name: KATRIN BENKERT)

Witnesses: Hermann Bödinge
(printed name: HERMANN BÖDINGER)

Date: _____

Claus Zumstrull

Witnesses: _____
(printed name: _____)

Witnesses: _____
(printed name: _____)

Date: _____

Witnesses: _____
(printed name: _____)

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(printed name: _____)

Witnesses: _____
(printed name: _____)

Date: _____

Date: _____

Dr. Carsten Schuh

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: 07.01.08

[Signature]
Clara Zumstrull

Witnesses: *[Signature]*

Witnesses: *[Signature]*

(printed name: Stefan Kohn)

(printed name: Erich Leder)

Date: _____

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: _____

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: _____

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