

## 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>Harald Johannes Kastl</td><td>07/27/2005</td></tr><tr><td>Carsten Schuh</td><td>07/26/2005</td></tr></tbody></table>	Name	Execution Date	Harald Johannes Kastl	07/27/2005	Carsten Schuh	07/26/2005	
Name	Execution Date						
Harald Johannes Kastl	07/27/2005						
Carsten Schuh	07/26/2005						
RECEIVING PARTY DATA							
Name:	Siemens Aktiengesellschaft						
Street Address:	Wittelsbacherplatz 2						
City:	Munchen						
State/Country:	GERMANY						
Postal Code:	80333						
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>11202763</td></tr></tbody></table>	Property Type	Number	Application Number:	11202763			
Property Type	Number						
Application Number:	11202763						
CORRESPONDENCE DATA							
Fax Number:	(512)322-8383						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	071308.0652						
NAME OF SUBMITTER:	Tracy E. Perez						
Total Attachments: 3 source=Scanned Assignment 071308_0652#page1.tif source=Scanned Assignment 071308_0652#page2.tif source=Scanned Assignment 071308_0652#page3.tif							

CH \$40.00 11202763

PATENT

500082534

REEL: 017249 FRAME: 0590

## ASSIGNMENT

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

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

**Dr. Carsten Schuh**  
residing at:  
**Heldeweg 9**  
**85598 Baldham**  
**GERMANY**

residing at:

residing at:

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 the Federal Republic of Germany, having its principal place of business in München , 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:) **Piezoelektrisches Bauteil mit Sollbruchstelle, Verfahren zum Herstellen des Bauteils und Verwendung des Bauteils**

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

Applicants File No. 2004P04850WOUS  
and filed as PCT-application PCT/EP2005/051541

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;


**PATENT**  
**REEL: 017249 FRAME: 0591**


IDNR: 4248 / V: 04-1.00 / 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: 27.07.05

  
 Harald Johannes Kastl

Witnesses:   
 (type name) Hansbold

Witnesses:   
 (type name) Eldan

Date: \_\_\_\_\_

\_\_\_\_\_  
 Dr. Carsten Schuh

Witnesses: \_\_\_\_\_  
 (type name)

Witnesses: \_\_\_\_\_  
 (type name)

Date: \_\_\_\_\_

\_\_\_\_\_

Witnesses: \_\_\_\_\_  
 (type name)

Witnesses: \_\_\_\_\_  
 (type name)

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: \_\_\_\_\_

\_\_\_\_\_  
Harald Johannes Kastl

Witnesses: \_\_\_\_\_  
(type name)

Witnesses: \_\_\_\_\_  
(type name)

Date: 26.07.05

\_\_\_\_\_  
Dr. Carsten Schuh

Witnesses: Thorsten Steinke  
(type name) Thorsten Steinke

Witnesses: Ulf-Friedrich  
(type name) Jürgen Zimmermann

Date: \_\_\_\_\_

Witnesses: \_\_\_\_\_  
(type name)

Witnesses: \_\_\_\_\_  
(type name)