

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Francois Bamiere</td><td>02/25/2008</td></tr><tr><td>Katrin Benkert</td><td>02/20/2008</td></tr><tr><td>Stefan Denneker</td><td>02/20/2008</td></tr><tr><td>Morgane Radanielina</td><td>02/24/2008</td></tr><tr><td>Carsten Schuh</td><td>02/20/2008</td></tr></tbody></table>	Name	Execution Date	Francois Bamiere	02/25/2008	Katrin Benkert	02/20/2008	Stefan Denneker	02/20/2008	Morgane Radanielina	02/24/2008	Carsten Schuh	02/20/2008	
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Francois Bamiere	02/25/2008												
Katrin Benkert	02/20/2008												
Stefan Denneker	02/20/2008												
Morgane Radanielina	02/24/2008												
Carsten Schuh	02/20/2008												
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12094186</td></tr></tbody></table>	Property Type	Number	Application Number:	12094186									
Property Type	Number												
Application Number:	12094186												
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 (071308.0927)													
Address Line 2: 98 San Jacinto, Suite 1500													
Address Line 4: Austin, TEXAS 78701													
ATTORNEY DOCKET NUMBER:	071308.0927												
NAME OF SUBMITTER:	Alfonso E. Juarez												

CH \$40.00 12094186

500645826

PATENT  
REEL: 021521 FRAME: 0272

**Total Attachments: 6**

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# ASSIGNMENT

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

**Francois Bamiere**  
residing at:  
**Saint-Gobain - Spiegelstr. 1**  
**68305 Mannheim**  
**GERMANY**

**Katrin Benkert**  
residing at:  
**St.-Wolfgangplatz 3**  
**81669 München**  
**GERMANY**

**Stefan Denneler**  
residing at:  
**Lautensackstr. 33**  
**80687 München**  
**GERMANY**

**Dr. Morgane Radanielina**  
residing at:  
**23 rue de Plobsheim**  
**67100 Strasbourg**  
**FRANCE**

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

residing at:

residing at:

residing at:

hereby sell, assign, and transfer to

<b>Siemens Aktiengesellschaft</b>
<b>a German corporation</b>
<b>organized and existing under the laws of</b> <b>GERMANY</b>
<b>having its (their) principal place of business</b> <b>in Munich; GERMANY</b>

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:) **LEAD ZIRCONATE TITANATE WITH IRON/TUNGSTEN DOPING, METHOD OF PRODUCING A PIEZOCERAMIC MATERIAL WITH THE LEAD ZIRCONATE TITANATE; AND USE OF THE PIEZOCERAMIC MATERIAL**

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. 2005P22579WOUS  
and filed as PCT-application PCT/EP2006/069888

**PATENT**  
**REEL: 021521 FRAME: 0274**


1DNR: 4248 / 05.05.2007

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: 25.02.2008

  
 Francois Bamiere

Witnesses: 

Witnesses: 

(printed name: William Hoyle)

(printed name: HEIKE OSTBY)

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

Katrin Benkert

Witnesses: \_\_\_\_\_

Witnesses: \_\_\_\_\_

(printed name: \_\_\_\_\_)

(printed name: \_\_\_\_\_)

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

Stefan Denner

Witnesses: \_\_\_\_\_

Witnesses: \_\_\_\_\_

(printed name: \_\_\_\_\_) (printed name: \_\_\_\_\_)

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Date: 24.02.08

Morgane Radanielina  
Dr. Morgane Radanielina

Witnesses: 

Witnesses: 

(printed name: RIVO RADANIELINA) (printed name: Jérôme Blondeau)

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

Dr. Carsten Schuh

Witnesses: \_\_\_\_\_

Witnesses: \_\_\_\_\_

(printed name: \_\_\_\_\_) (printed name: \_\_\_\_\_)

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## ASSIGNMENT

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

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**68305 Mannheim**  
**GERMANY**

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Applicants File No. 2005P22579WOUS  
and filed as PCT-application PCT/EP2006/069888

**PATENT**  
**REEL: 021521 FRAME: 0277**

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;

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

\_\_\_\_\_  
Francois Bamiere

Witnesses: \_\_\_\_\_

Witnesses: \_\_\_\_\_

(printed name: \_\_\_\_\_)

(printed name: \_\_\_\_\_)

Date: 20.02.2008

Katrin Benkert  
Katrin Benkert

Witnesses: Thomas Soller

Witnesses: Robert Barthelt

(printed name: Thomas Soller)

(printed name: Robert Barthelt)

Date: 29/2/08 Stefan Denner  
Stefan Denner  
Witnesses: Thomas Soller Robert Brakelt  
(printed name: Thomas Soller) (printed name: Robert Brakelt)

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Date: \_\_\_\_\_  
Dr. Morgane Radanielina  
Witnesses: \_\_\_\_\_  
(printed name: \_\_\_\_\_) (printed name: \_\_\_\_\_)

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Date: 20.02.08 Carsten Schuh  
Dr. Carsten Schuh  
Witnesses: Thomas Soller Robert Brakelt  
(printed name: Thomas Soller) (printed name: Robert Brakelt)

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Date: \_\_\_\_\_  
Witnesses: Thomas Soller \_\_\_\_\_  
(printed name: Thomas Soller) (printed name: \_\_\_\_\_)

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Date: \_\_\_\_\_  
Witnesses: \_\_\_\_\_  
(printed name: \_\_\_\_\_) (printed name: \_\_\_\_\_)

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