PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Dr. Heinrich-Jochen Blume	02/16/2010
Dr. Bernhard Gottlieb	03/13/2010
Dr. Andreas Kappel	09/05/2006
Dr. Robert Wolfgang Kissel	02/10/2010
Karl-Heinz Mittenbuhler	03/11/2010
Dr. Tim Schwebel	02/05/2010
Carsten Wallenhauer	04/29/2010

RECEIVING PARTY DATA

Name:	Siemens Aktiengesellschaft
Street Address:	Wittelsbacherplatz 2
City:	Munchen
State/Country:	GERMANY
Postal Code:	80333

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12677534

CORRESPONDENCE DATA

Fax Number: (512)457-2100

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 512-457-2123
Email: Trosson@kslaw.com

Correspondent Name: Todd Rosson (03869.117046)

Address Line 1: King & Spalding L.L.P.

Address Line 2: 401 Congress Avenue #3200

Address Line 4: Austin, TEXAS 78701

ATTORNEY DOCKET NUMBER: 03869.117046

501216065 PATENT REEL: 024595 FRAME: 0779

12677534

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NAME OF SUBMITTER:	Todd Rosson
Total Attachments: 22	
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For good and valuable consideration, I/we, the undersigned

Dr. Heinrich-Jochen Blume

residing at:

Bachstr. 6

64291 Darmstadt

GERMANY

Dr. Andreas Kappel

residing at:

Zugspitzstr. 7

85649 Brunnthal

GERMANY

Karl-Heinz Mittenbühler

residing at:

Barbaraweg 1 64347 Griesheim

GERMANY

Carsten Wallenhauer

residing at:

Goetheplatz 11 01987 Schwarzheide

GERMANY

hereby sell, assign, and transfer to

in München; GERMANY

Dr. Bernhard Gottlieb

residing at:

Elfenstr. 16 81739 München

GERMANY

Dr. Robert Wolfgang Kissel

residing at:

Mainzer Straße 30

63329 Egelsbach

GERMANY

Dr. Tim Schwebel

residing at:

Lindwurmstr. 100 80337 München

GERMANY

residing at:

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

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

INFORMATION PROCESSOR AND METHOD FOR THE PRODUCTION (Title:) THEREOF

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.

2007P14016WOUS

and filed as PCT-application PCT/EP2008/061180

PATENT REEL: 024595 FRAME: 0781

DNR: 4248 / 05.06.2007

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: 10.2 10	Dr. Heinrich-Jochen Blume
Witnesses:	Witnesses: S. Norberf
(printed name: DR, T. KERN)	(printed name: S. Vorberg
#** * \	
Date:	
	Dr. Bernhard Gottlieb
Witnesses:	Witnesses:
(printed name:)	(printed name:
· · · · · · · · · · · · · · · · · · ·	

(printed name: ______) (printed name: ______)

Witnesses:

PATENT REEL: 024595 FRAME: 0783

Witnesses:

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

Dr. Heinrich-Jochen Blume

residing at:

Bachstr. 6 64291 Darmstadt

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Dr. Andreas Kappel

residing at:

Zugspitzstr. 7 85649 Brunnthal GERMANY

Karl-Heinz Mittenbühler

residing at:

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Carsten Wallenhauer

residing at:

Goetheplatz 11 01987 Schwarzheide

GERMANY

hereby sell, assign, and transfer to

Dr. Bernhard Gottlieb

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Dr. Robert Wolfgang Kissel

residing at:

Mainzer Straße 30 63329 Egelsbach GERMANY

Dr. Tim Schwebel

residing at:

Lindwurmstr. 100 80337 München GERMANY

residing at:

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

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2007P14016WOUS

and filed as PCT-application

PCT/EP2008/061180

.

PATENT REEL: 024595 FRAME: 0784

DNR: 4248 / 06.06.2007

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Date:	Dr. Heinrich-Jochen Blume	
Witnesses:)	Witnesses:)
Date: 13/03/2010 Witnesses: Mein (printed name: Rosavilla Heim)	Banhard Jontleib Dr. Bernhard Gottlieb Witnesses: (printed name: Barbara Heim	1

3

PATENT REEL: 024595 FRAME: 0786

2007P14016WOUS

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

Dr. Heinrich-Jochen Blume

residing at:

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GERMANY

Dr. Andreas Kappel

residing at:

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Goetheplatz 11

01987 Schwarzheide

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GERMANY

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PATENT REEL: 024595 FRAME: 0787

DMR: 4248 / 06,06,2007

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Date:	gradient in the second		
	5 K .ş.	Dr. Heinrich-Jochen Blume	
Witnesses:		Witnesses:	
(printed name:	ale tra (traff)	(printed name:	_)

Date:	e.		
No contribution and the contri		Dr. Bernhard Gottlieb	
Witnesses:		Witnesses:	
(printed name:		(printed name:)
	we started		-

3

2007P14016WOUS

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Dr. Heinrich-Jochen Blume

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64291 Darmstadt

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PATENT REEL: 024595 FRAME: 0790

DNR: 4248 / 06.06.2007

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Date:		Dr. Heinrich-Jochen Blume	
Witnesses:	3.5 12	Witnesses:	
(printed name:) (printed name:	
***************************************	***************************************	***************************************	viriodianovonianianiania ,
Date:		Dr. Bernhard Gottlieb	
Witnesses:		Witnesses:	
(printed name:		_} {printed name;	

	Dr. Andreas Kappel Witnesses: (printed name:
Date:	Dr. Robert Wolfgang Kissel Witnesses:
Date: 3.11.7010	Karl-Heinz Mittenbühler Witnesses: (printed name: Makus Jaks
Date: Witnesses: (printed name:)	Dr. Tim Schwebel Witnesses: (printed name:)
Date: Witnesses: (printed name:	Carsten Wallenhauer Witnesses:

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

Dr. Heinrich-Jochen Blume

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64291 Darmstadt

GERMANY

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Applicants File No.

2007P14016WOUS

in and a

and filed as PCT-application - PCT/EP2008/061180

PATENT REEL: 024595 FRAME: 0793

DNR: 4248 / 06.06.2007

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8 Sept.

Date:	5 St. 174	Dr. Heinrich-Jochen Blume
Witnesses:	State S	Witnesses:
(printed name:	<u> </u>	(printed name:)
	on the second distance of the second distance	
	# # # T	
Date:	* 39	-
•		Dr. Bernhard Gottlieb
Witnesses:		Witnesses:
(printed name;		(printed name:)
	÷ 4,	

PATENT REEL: 024595 FRAME: 0795

2007P14016WOUS

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

Dr. Heinrich-Jochen Blume

residing at:

Bachstr. 6 64291 Darmstadt

GERMANY

Dr. Andreas Kappel

residing at:

Zugspitzstr. 7 85649 Brunnthal GERMANY

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Applicants File No.

2007P14016WOUS

and filed as PCT-application

PCT/EP2008/061180

PATENT REEL: 024595 FRAME: 0796

IDNR: 4248 / 06.06.2007

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Date:	Dr. Heinrich-Jochen Blume	
Witnesses:	Witnesses:(printed name:)	
Date:	Dr. Bernhard Gottlieb	
Witnesses:	Witnesses:(printed name:)	

(printed name: ______) (printed name: ______)

		Sample Form (former PTO/SB/15) (08-03)	
ASSIGNMENT OF APPLICA	TION	Docket Number (Optional) 2007P14016WOUS	
Whereas, I/We, Carsten WALLENHAUER	Goethep of 01987 S	latz 11 chwarzheide,DEhereafter	
referred to as applicant, have invented certain new and useful improvements inINFORMATION_PRO-			
CESSOR AND METHOD FOR THE PRODU	CTION THEREOF		
(X) for which an application for a United States Patent was filed on March 11, 2010			
Application Number 12/677,534 (based on PCT/EP2008/061180)			
for which an application for a United States Patent was executed on, and Siemens Aktiengesellschaft Munich, Germany			
Whereas,of		uete tetetian	
Whereas,ofhere referred to "assignee" whose mailing address is Wittelsbacherplatz 2, 80333 Munich, DE is			
desirous of acquiring the entire right, title and interest in the same;			
Now, therefore, in consideration of the sum of one dollars (\$ 1), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. Executed this 29 day of 4 produced.			
Executed this	71 P VV		
at Maniay			
	Conhy)	Signature	
	Carsten Wall		
Witnesses: D.Ol	(Date) 2	3/09/2010	
Dirk Ostermann			
Witnesses: Took le	(Date) 2 9	104/2010	
Torsten Reimann		•	
Note: Signatures of all the inventors or assignees of record of the more than one signature is required, See below*,	entire interest or their repress	entative(s) are required. Submit multiple forms if	

Total of _______forms are submitted.

This form affers a sample or suggested formst for an assignment document. This sample form is not an OMB officially approved form.

SIEMENS

☐ I consent to the agreement se	☐ I do not consent t out below
Date	Signature
Name Department Site	
Telephone Fax E-mail	
Our reference	
Date	

My decision:

Your invention disclosure dated May 31, 2006, received: June, 1, 2006 "Piezoelektrischer Biegeaktor mit dreieckiger Grundfläche"

Dear Mr. Dr. Kappsi,

By virtue of legal provisions, we are claiming the right to the invention described above without limitation. As a result of this unlimited claim, all rights to the invention shall be transferred to us. You will be required to continue maintaining the secrecy of the invention.

With respect to the further handling of rights and obligations arising from the German Law on Employee Inventions (ArbEG), we propose the following agreement:

We shall pay you a premium under the Incentive Program¹⁾, amounting to a gross sum of:

€ 300,

(Your invention disclosure has been assigned value rating: 1)

In return, you will exempt us from the obligations of applying for domestic industrial property protection, of releasing the invention to you for foreign countries in which we do not wish to acquire industrial property rights and of assigning industrial property rights to you before abandoning an industrial property application (§§ 13 para. 1, 14 para. 2 and 16 para. 1 ArbEG). This shall not affect the option of declaring specific inventions as trade secrets (§ 17 German Employee Inventor Law - ArbEG). Our obligation to pay the appropriate inventor compensation shall also continue to exist if we apply for industrial property protection for the invention and maintain industrial property protection or declare the invention as a trade secret. The premium shall not be offset against the inventor compensation.

However, if there is no application for industrial property protection or no declaration for the invention to be a trade secret, all claims for compensation shall be settled by means of the premium. This includes claims for a different compensation arrangement (§ 12 para. 6 German Employee Inventor Law - ArbEG) due to a change in plans, which obviously cannot be certain at the time, with respect to using the invention, fixing the financial value of the invention and protecting industrial property rights; the same applies for any related claim for information and rendering of accounts.

Should you wish to receive further information in connection with how your invention is being treated, you may contact the following patent professional who is responsible for your invention:

Thomas Keller, CT IP SV, Frankfurt / Main, Tel.L +49 69 40805 367,

The "Treatment of Employee Inventions" described in the annex shall furthermore be agreed.

Please return forthwith the enclosed copy of this letter duty showing your decision to the following address:

Stemens AG CT IP S, Mich P Postfach 22 16 34 80506 Munich

Yours sincerely, Siemens Aktiengesellschaft Annexes

Treatment of Employee Inventions

Copy of this letter

 http://intranet.ct.siemens.de/ipweb/de/arbeit/patente/incentive/index.html

2) see also interactive inventor: http://intranet.ct.siemens.de/interactive-inventor

Corporate Technology

Corporate Intellectual Property and Functions

Head: Dr. Winfried Büttner Postal address: Siemens AG Visiting address: Otto-Hahn-Ring 6 81739 Munich

Postfach 22 16 34 80506 Munich

Siemens Aktiengeseilschaft - Chalman of Supervisory Board: Heinrich v. Pierer Managing Board: Klaus Kleinfeld, President and CEO; Johannes Feldmayer, Thomas Genswindt, Edward G. Krubasik, Rudi Lamprecht, Heinz-Joachim Neubürger, Jürgen Radomski, Erich R. Reinhardt, Uriel J. Sharet, Claus Weyrich, Naus Wücherer Registered offices: Berlin and Munich - Registry court: Berlin-Chariottenburg, Commercial Register 12300; Munich, HRB 6684

Commercial Register 12300; Munich, HRB 6684 PATENT

REEL: 024595 FRAME: 0800

DNR: 2701 / V: 04-1.00 / B; Val

Treatment of Employee Inventions

General:

If you are not able to send us your decision before expiry of the legally prescribed claim period of four months from receipt of the invention disclosure (§ 6 para. 2 ArbEG), we shall serve a declaration of the claim in good time – if necessary by "registered delivery with advice of receipt form" to your home address to safeguard rights.

By virtue of the reciprocal obligations existing between employer and employee under the German Law on Employee Inventions (ArbEG), we may be required to send you notifications as well as receive declarations from you. There may be a deadline applicable for such notifications and declarations. For this reason, we kindly request you to notify us of any change in your address. In the event that your current address is no longer available, attempts to send you legally prescribed notifications shall cease if it is not possible to obtain your current address by applying to the residents' registration office responsible with jurisdiction for your previous address.

We reserve the right to rescind, change or supplement the provisions of the "Incentive Program" and "Treatment of Employee Inventions" at any time. Agreements already made that incorporate the current provisions shall not be affected hereby.

Acquisition of industrial property protection:

if industrial property protection is obtained with respect to your invention, a national application or application under the European Patent Convention and/or Patent Cooperation Treaty is usually filed. We shall provide you with a copy of the initial application as well as a copy of the patent specification once a patent applicable for Germany has been granted.

If you do not consent to the proposed agreement, we shall obtain your approval if an application for a patent or utility model is not made for your invention. In the event of an application, we shall notify you at the latest one month before expiry of the one-year priority period after submitting the initial application, whether — and if applicable in which foreign countries — industrial property protection is to be acquired. At the same time, the invention will be released to you in the remaining foreign countries. In those countries in which the invention has been released to you, you may make a subsequent application for the invention at your own cost. We request you to notify us if necessary of the countries you have selected, so that we may forward you the necessary documentation for the application.

For all releases to use industrial property protection abroad, we reserve — on our own behalf and/or on behalf of your employer — the non-exclusive right according to legal provisions to use the invention subject to appropriate compensation and we demand that, with respect to exploiting the invention released to date in the relevant foreign countries, you take into account obligations vis-à-vis ourselves and/or your employer arising from contracts existing at the time of the release pertaining to the service invention subject to appropriate compensation. We also reserve the right — on our own behalf and/or on behalf of your employer — to retain, in a separate agreement with you, non-exclusive rights for all present and future companies affiliated to and associated with our company, for their and our customers or purchasers and for our business and contractual partners as well as for third parties, to whom we have already granted such rights of use or will grant in the future, subject to appropriate compensation.

On account of the large number of pending cases, we generally shall not provide you with written notification of progress of individual grant procedures. The further treatment of your invention disclosures and progress of grant procedures may be monitored via Interactive Inventor, which can be accessed via the Corporate Intellectual Property home page on the intranet: "http://intranet.siemens.de/patent" (under "support") or directly via "http://intranet.ct.siemens.de/interactive-inventor". You may also at any time contact the patent professional assigned to you for information in this respect.

Abandoning industrial property rights:

If you do not consent to the proposed agreement and industrial property protection or an application for industrial property protection is abandoned — which in turn means that a legal position is definitively abandoned — and your claims for compensation arising from the invention have not yet been conclusively discharged at this point, we shall offer to transfer to you the industrial property protection and/or application for industrial property protection. If you wish to accept the transfer offer, we shall provide you with the documentation required for the transfer and transcription to you, at your cost. To this end, we shall propose an agreement of reservation clauses corresponding to the releases to use industrial property protection abroad under the above agreement.

inventor compensation:

On account of the large number of cases occurring, we shall assess the inventions together in one batch at longer intervals. Only in this way is it possible to keep the time required to determine inventor compensation within reasonable limits. We trust we have your understanding in this matter.

The assessment itself is carried out in accordance with the German Employee Inventor Law, taking into account the "German Guidelines on Compensation for Employee Inventions in Private Companies". The following principles are therefore assumed:

For the period for which an invention used in a company does not entail industrial property protection granted and/or registered res judicate with effect for Germany, compensation shall be provided on a provisional basis, i.e. taking into consideration a reduction in risk. In the event of particularly high sales, we shall grade the compensation according to the categories specified in the table fisted in the official guidelines (no. 11) (Reduction in License Fee). If an invention is not used in the company, compensation for a possible inventory value shall be taken into consideration depending on the circumstances of the individual case, if industrial property protection has been granted and/or registered res judicate for the invention with effect for Germany.

If compensation is applicable, we shall notify you of this in writing and shall arrange for the amount of the compensation to be transmitted to you, less statutory deductions. If no declaration to the contrary is received from you within two months of paying you this compensation, we shall assume that you are in agreement with the compensation determined.

For the rest, we shall endeavor to enter into a conclusive agreement with you pertaining to your compensation claims arising from the invention as soon as possible – in any event by the time you leave the company.

PATENT REEL: 024595 FRAME: 0801

Assets in the antique and investigation

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Meine Entscheidung:

Der nachstehenden Vereinbarung stimme ich

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🖸 nicht zu.

05.03.2006

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SEP 0 6 2006

Herrn

Dr. Andreas Kappel CTPS8

Mch P

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time limit

Name

Kati Dötsch

Abteilung

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Unser Zeichen

2006E12749 DE

Datum

31.Aug.2006

thre Erfindungsmeldung vom 31.06.2006, Eingang: 01.06.2006 "Plezoelektrischer Biegealdor mit dreieckliger Grundfläche"

Sehr geehrter Herr Dr. Kappel,

aufgrund der gesetzlichen Bestimmungen nehmen wir die oben bezeichnete Erfindung unbeschränkt in Anspruch. Mit der unbeschränkten Inanspruchnahma gahan alla Rechta an der Erfindung auf uns über. Die Erfindung ist von Ihnen weiterhin geheim zu halten.

Zum Vollzug der Inanspruchnahme und der Überleitung der Erfindungsrechte sowie zur weiteren Hendhabung von Rechten und Pflichten aus dem Gesetz über Arbeitnehmererfindungen (ArbEG) schlagen wir ihnen folgende Vereinbarung vor:

Wir zahlen ihnen eine Prämie nach unserem incentive-Programm 1. Sie behägt brutte:

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(Bei Ihrer Erfindungsmeldung wurde die Wertzahl: 3 vergeben.)

im Gegenzug verzichten Sie rückwirkend auf die Schriftform (persönliche Unterschrift) dieser Inenspruchnahmeentlänung und erklären sich damit einwerstanden, dass die Erfindungsrechte auf uns übergegangen sind. Zugleich befreien Sie une von den Pflichten zur Schutzrechtsammeldung im Inland, zur Freigabe nicht beanspruchten Auslands und zur Übertragung von Schutzrechtspositionen vor dem Fallenlassen (§§ 13 Abs. 1, 14 Abs. 2 und 16 Abs. 1 ArbEG). Die Möglichkeit, bestimmte Erlindungen zum Betriebsgeheimnis zu erklären (§ 17 ArbEG), bleibt klervon umborührt. Auch unsere Verpflichtung zur Zahlung einer angemessenen Erfindervergütung bleibt bestehen, wenn wir die Erfindung zum Schutzrecht anmelden und das Schutzrecht aufrechterhaßen oder die Erfindung zum Betriebegeheimnis erktären. Eine Anvechnung der Prämis auf die Erfindervergütung erfolgt nicht.

Konsnt es jedoch weder zu einer Schutzrechtsammeldung noch zu einer Erktörung zum Betriebsgeheimnis, sind mit der Prämie alle Vergütungsansprüche abgegeiten. Abgegeiten ist hiermä auch ein etwaiger Ampassungsanspruch (§ 12 Abs. 6 ArbEG) wegen einer Veränderung einer heute naturgernäß nicht sicheren Prognose zur Benutzung, zum wätzchaftlichen Wert der Erfindung und zur Schutzrechtsabsicherung; Entsprechendes gilt für einen hierauf bezogenen etwaigen Anspruch auf Auskumt und Rechnungslegung. Sollten Sie im Zusenamenhang mit der Behandking Ihrer Erfindung welters Auskünfte wünschen, steht Binen insbesondere der für Sie zustämtige

Thomas Kaller, CT IP SV, Frankfurt / Main, Tel.: +49 69 40805 367.

zur Verfügung 2

Patent Professional:

Im Übrigen gehen wir davon aus, dass Sie mit unserer in der Anlage beschriebenen "Behandlung von Diensterfindungen" einverstanden sind.

Bitte senden Sie das beigefügte Doppel dieses Schreibens mit Ihrer Entscheidung umgehend zurück an:

Siemens AG CTIPS, Mch P Postfach 22 16 34 80506 München

Mit freundlichem Gruß

Siemens Aktiengesellschaft

gez. ppa. Gollwitzer

gez. i.V. Feichtner

Anlagen

Behandlung von Diensterfindungen Doppel dieses Schreibens

1) http://intranet.ct.stemens.de/ip-web/de/arbeit/patente/incentive/index.html

2) siehe auch Interactive Inventor: http://intranet.ct.slemens.de/interactive-

Corporate Technology

Corporate intellectual Property and Functions

Briefadresse: Siemens AG

Hausadresso: Kruppstr. 105 60388 Frankfurt

Leitung: Or. Winfried Stittmer

Siemens Aktiengesellschaft - Vereitzender des Aufsichtsrats; Heinrich v. Pierer Vorstand; Klaus Kleinfekt, Voreitzender; Johannes Feldmayer, Thomas Ganswindt, Joe Kaeser, Edward G. Krutiasik, Rudi Lamprecht, Eduardo Montes,

> PATENT REEL: 024595 FRAME: 0802

DMR: 3006 / 22.03.2006

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