orm PTO-1595

OMB No. 0651-0011 (exp. 4/94)

07-27-2005



U.S. Department of commerce

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.ereof.

1035	, 10090
Name of conveying party(ies):	2. Name and address of receiving party(ies):
Martin Friedrich	Name: Infineon Technologies AG
Christian Grewing	
Giuseppe Li Puma	Street Address: St. Martin-Strasse 53
Christoph Sandner	
Andreas Wiesbauer	City: 81669 München
Kay Winterberg	
Stefan Van Waasen	Country: Germany
	Additional name(s) & address(es) attached? []Yes [X] No
Additional name(s) of conveying party(ies) attached? [ ] Yes [ X ] No	-
3. Nature of Conveyance:	
[X] Assignment [] Merger	
[ X ] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name	
[ ] Other	
Execution Date(s) 05/24/05, 05/30/05, 05/17/05, 05/17/05, 05/18/05, 05/17/05, 05/30/05	
<ol> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application</li> </ol>	n, the execution date of the application is
A. Patent Application No(s) 11/111,461	
A. I alcile Application 10(3) 11/11,401	B. Patent No(s)
1100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TWO N
Additional numbers attached? [] Yes	[X] NO
Title of Invention: Circuit Arrangement for a Wideband M	fixer with Predistortion and High Linearlity
Our Docket No.: 1890-0238	,
Our Docket No.: 1890-0238	
The second secon	and the second of the second o
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved
concerning document should be mailed:	<u>l</u>
Name: Harold C. Moore	7. Total fee (37 CFR 3.41): .\$ <u>40.00</u>
<u></u>	
Internal Address: Maginot, Moore & Beck	[X] Enclosed
<del></del>	[ ] Authorized to be charged to deposit account
Street Address: 111 Monument Circle, Suite 3000	8. Deposit Account number: 13-0014
City: State: Zip: Indianapolis, IN 46204-5115	
	(Attach duplicate copy of this page if paying by deposit account)
DO NOT US	E THIS SPACE
9. Statement and signature.	
To the best of my knowledge and belief,	
correct and any attached copy is a true cop	py of the original document.
/ 4/9-	<b>\</b>
Russell E. Fowler	<u>July 20, 2005</u>
Name of Person Signing Signature	Date
Registration No. 37,891	Total number of pages including cover sheet, attachments and document 15
	th required cover sheet information to:
	n Services, Commissioner for Patents andria, VA 22313-1450

07/25/2005 MBERHE

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# **ASSIGNMENT**

For good and valuable consideration, I, Martin Friedrich, a citizen of Germany, residing at Luisenstraße 71, 45892 Gelsenkirchen, Germany, Christian Grewing, a citizen of Germany residing at Kirchweg 6, 40489 Düsseldorf, Germany, Giuseppe Li Puma, a citizen of Italy, residing at Zechenstr. 27, 44791 Bochum, Germany, Christoph Sandner, a citizen of Austria, residing at August-Jaksch-Str. 12, 9500 Villach, Austria, Andreas Wiesbauer, a citizen of Austria, residing at Sallacher, Str. 85, 9210 Pörtschach, Austria, Kay Winterberg, a citizen of Germany, residing at Donkring 27, 47906 Kempen, Germany, and Stefan Van Waasen, a citizen of Germany, residing at Bätsmansvägen 35, 19248

Sollentuna, Sweden, h	ereinafter individually o	or collectively referred to as "Ass	signor";
laws of Germany, have "Assignee", its success and all foreign countri	ing its principal place of sors, assigns and legal re	business at St. Martin Str. 53, 8 epresentatives, the entire right, ti improvements which are disclose	oration organized and existing under the 1541, Munich, Germany, hereinafter tle and interest in and for the United States sed in the application for United States
filed on April	21, 2005	US. Scrial No. 11/111,461	
entitled: Circu	it Arrangement for a Wi	ideband Mixer with Predistortion	and High Linearity
Letters Patent which h	ave been or shall be file and to all original and re	d in the United States and all for	l, reissue, and all other applications for eign countries on any of said or shall be filed in the United States and all
that, when requested, verpresentatives, to carredivisional, continuing, execute all rightful oat successors, assigns, an history thereof; and geshall consider desirable vesting title to said imp	without charge to but at a yout in good faith the in substitute, renewal, reis hs, assignments, powers d legal representatives, a nerally do everything poe for aiding in securing a	the expense of said Assignce, its ntent and purpose of this assignment and purpose of this assignment applicate of attorney and other papers; coall facts known to the undersigneossible which said Assignce, its sand maintaining proper patent prications for patents and all patents	nent, the undersigned will execute all tions on any and all said improvements;
mortgage, license or or	ther agreement affecting	essors, assigns and legal represent the rights and property herein co ame as herein expressed is posse	ntatives that no assignment, grant, conveyed has been made to others by the essed by the undersigned.
SIGNATURE:	NAME: Martin Fried	rich	DATE: May 24 2005
SIGNATURE:	NAME: Christian Gre	ewing	DATE:

VON -PA Reinhard Skuhra Weise & Partner

INFINEON REF NO. S3597 GC/aja MMB REF NO. 1890-0238

#### **ASSIGNMENT**

For good and valuable consideration, l, Martin Friedrich, a citizen of Germany, residing at Luisenstraße 71, 45892 Gelsenkirchen, Germany, Christian Grewing, a citizen of Germany residing at Kirchweg 6, 40489 Düsseldorf, Germany, Giuseppe Li Puma, a citizen of Italy, residing at Zechenstr. 27, 44791 Bochum, Germany, Christoph Sandner, a citizen of Austria, residing at August-Jaksch-Str. 12, 9500 Villach, Austria, Andreas Wiesbauer, a citizen of Austria, residing at Sallacher, Str. 85, 9210 Pörtschach, Austria, Kay Winterberg, a citizen of Germany, residing at Donkring 27, 47906 Kempen, Germany, and Stefan Van Waasen, a citizen of Germany, residing at Bätsmansvägen 35, 19248 Sollentuna, Sweden, hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to Infineon Technologies AG, a corporation organized and existing under the laws of Germany, having its principal place of business at St. Martin Str. 53, 81541, Munich, Germany, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

med on	April 21, 2005	US. Serial No. 11/111,461
entitled;	Circuit Arrangement for a W	deband Mixer with Predistortion and High Linearity

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 all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

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 assignment, 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 an 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

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 has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE:	NAME: Martin Friedrich	DATE:
SIGNATURE:	NAME: Christian Grewing	DATE: May 3016 7005

SIGNATURE:	NAME: Giuseppe Li Puma	DATE:
SIGNATURE:	NAME: Christoph Sandner	DATE:
SIGNATURE:	NAME: Andreas Wiesbauer	DATE:
SIGNATURE:	NAME: Kay Winterberg	DATE:
SIGNATURE:	NAME: Stefan Van Waasen	DATE:

filed on April 21, 2005

08-06-05

+49 89 3401479

INFINEON REF NO. S3597 GC/aja MMB REF NO. 1890-0238

#### ASSIGNMENT

For good and valuable consideration, I, Martin Friedrich, a citizen of Germany, residing at Luisenstraße 71, 45892 Gelsenkirchen, Germany, Christian Grewing, a citizen of Germany residing at Kirchweg 6, 40489 Düsseldorf, Germany, Giuseppe Li Puma, a citizen of Italy, residing at Zechenstr. 27, 44791 Bochum, Germany, Christoph Sandner, a citizen of Austria, residing at August-Jaksch-Str. 12, 9500 Villach, Austria, Andreas Wiesbauer, a citizen of Austria, residing at Sallacher, Str. 85, 9210 Pörtschach, Austria, Kay Winterberg, a citizen of Germany, residing at Donkring 27, 47906 Kempen, Germany, and Stefan Van Waasen, a citizen of Germany, residing at Bätsmansvägen 35, 19248 Sollentuna, Sweden, hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to Infineon Technologies AG, a corporation organized and existing under the laws of Germany, having its principal place of business at St. Martin Str. 53, 81541, Munich, Germany, hereinafter "Assignce", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

US. Serial No. 11/111,461

	entitled: Circuit Arrangement for a Wideband Mixer with Predistortion and High Linearity
in :	and to said application and all divisional continuing, substitute, renewal, reissue, and all other applications

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 all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

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 assignment, 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 an 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 Assignce, its successors, assigns and legal representatives; and

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

SIGNATURE:	NAME: Martin Friedrich	DATE:	
SIGNATURE:	NAME: Christian Grewing	DATE:	

NAME: Stefan Van Waascn

SIGNATURE:	Giuzepe Li Puma	DATE: 17, Hay 2005
SIGNATURE:	NAME: Christoph Sandner	DATE:
SIGNATURE:	NAME: Andreas Wiesbauer	DATE:
SIGNATURE:	NAME: Kay Winterberg	DATE:
SIGNATURE:	·	DATE:

# **ASSIGNMENT**

For good and valuable consideration, I, Martin Friedrich, a citizen of Germany, residing at Luisenstraße 71, 45892 Gelsenkirchen, Germany, Christian Grewing, a citizen of Germany residing at Kirchweg 6, 40489 Düsseldorf, Germany, Giuseppe Li Puma, a citizen of Italy, residing at Zechenstr. 27, 44791 Bochum, Germany, Christoph Sandner, a citizen of Austria, residing at August-Jaksch-Str. 12, 9500 Villach, Austria, Andreas Wiesbauer, a citizen of Austria, residing at Sallacher, Str. 85, 9210 Pörtschach, Austria, Kay Winterberg, a citizen of Germany, residing at Donkring 27, 47906 Kempen, Germany, and Stefan Van Waasen, a citizen of Germany, residing at Bâtsmansvägen 35, 19248

Sollentuna, Sweden, h	ereinafter individually or o	collectively referred to as "Assignor";
laws of Germany, hav "Assignee", its succes and all foreign countri	ing its principal place of busings, assigns and legal repu	con Technologies AG, a corporation organized and existing under the usiness at St. Martin Str. 53, 81541, Munich, Germany, hereinafter resentatives, the entire right, title and interest in and for the United States approvements which are disclosed in the application for United States indersigned and
filed on April	21, 2005	US. Serial No. 11/111,461 ,
entitled; Circu	it Arrangement for a Wide	band Mixer with Predistortion and High Linearity
Letters Patent which h	ave been or shall be filed i and to all original and reis	continuing, substitute, renewal, reissue, and all other applications for in the United States and all foreign countries on any of said sued patents which have been or shall be filed in the United States and all
that, when requested, verpresentatives, to carredivisional, continuing, execute all rightful oat successors, assigns, an history thereof; and ge shall consider desirably vesting title to said impact of the said impact of t	without charge to but at the yout in good faith the inte- substitute, renewal, reissuchs, assignments, powers of diggal representatives, all nerally do everything posse for aiding in securing and	and receive Letters Patent for said improvements in its own name; and expense of said Assignee, its successors, assigns and legal ent and purpose of this assignment, the undersigned will execute all e, and all other patent applications on any and all said improvements; fattorney and other papers; communicate to said Assignee, its facts known to the undersigned relating to said improvements an the ible which said Assignee, its successors, assigns or legal representatives it maintaining proper patent protection for said improvements and for tions for patents and all patents on said improvements, in said Assignce, and
mortgage, license or of	ther agreement affecting th	ors, assigns and legal representatives that no assignment, grant, in rights and property herein conveyed has been made to others by the me as herein expressed is possessed by the undersigned.
SIGNATURE:	NAME: Martin Friedric	DATE:
SIGNATURE:	NAME: Christian Grew	DATE:

03-08-05 -15:02 VON -PA Reinhard Skuhra Weise & Partner +48 89 3401478

SIGNATURE:		DATE:
SIGNATURE:	NAME: Giuseppe Li Puma	DATE: 2005-12y-17
SIGNATURE:	NAME: Andreas Wiesbauer	DATE:
SIGNATURÉ:	NAME: Kay Winterberg	DATE:
SIGNATURE:	NAME: Stefan Van Waasen	DATE:

# **ASSIGNMENT**

For good and valuable consideration, I, Martin Friedrich, a citizen of Germany, residing at Luisenstraße 71, 45892 Gelsenkirchen, Germany, Christian Grewing, a citizen of Germany residing at Kirchweg 6, 40489 Düsseldorf. Germany, Giuseppe Li Puma, a citizen of Italy, residing at Zechenstr. 27, 44791 Bochum, Germany, Christoph Sandner, a citizen of Austria, residing at August-Jaksch-Str. 12, 9500 Villach, Austria, Andreas Wiesbauer, a citizen of Austria, residing at Sallacher, Str. 85, 9210 Portschach, Austria, Kay Winterberg, a citizen of Germany, residing at Donkring 27, 47906 Kempen, Germany, and Stefan Van Waasen, a citizen of Germany, residing at Båtsmansvägen 35, 19248 Sollentuna, Sweden, hereinafter individually or collectively referred to as "Assignor";

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laws of Germany, ha "Assignee", its succeand all foreign coun	aving its principal p essors, assigns and tries, in and to any a	lace of business at St. M legal representatives, the	lartin Str. 53, 815 entire right, title nich are disclose	ation organized and existing under the 541, Munich, Germany, hereinafter e and interest in and for the United State d in the application for United States	es
filed on Ap	ril 21, 2005	US. Serial No.	11/111,461	,	
entitled: Cir	cuit Arrangement (	or a Wideband Mixer wi	th Predistortion a	and High Linearity	
Letters Patent which	have been or shall in and to all original	be filed in the United St I and reissued patents wh	ates and all forei	reissue, and all other applications for gn countries on any of said shall be filed in the United States and	all
that, when requested representatives, to conditional, continuing execute all rightful of successors, assigns, history thereof; and shall consider desira	I, without charge to arry out in good faiting, substitute, renew paths, assignments, pand legal representagenerally do everythible for aiding in secondaryovements and a	but at the expense of saith the intent and purpose ral, reissue, and all other powers of attorney and outives, all facts known to hing possible which said curing and maintaining pll applications for patent	d Assignee, its su of this assignme patent application ther papers; come the undersigned Assignee, its sucroper patent prot	id improvements in its own name; and uccessors, assigns and legal ent, the undersigned will execute all ons on any and all said improvements; amunicate to said Assignee, its relating to said improvements an the eccessors, assigns or legal representative tection for said improvements and for on said improvements, in said Assigned	
mortgage, license or	other agreement aff		perty herein con	ntives that no assignment, grant, iveyed has been made to others by the sed by the undersigned.	
SIGNATURE:	NAME: Martin	n Friedrich		DATE:	_
SIGNATURE:	NAME: Christi	an Grewing		DATE:	_

NAME: Stefan Van Waasen

SIGNATURE:		DATE:
	NAME: Giuseppe Li Puma	
SIGNATURE:	NAME: Christoph Sandner	DATE:
SIGNATURE:	NAME: Andreas Wiesbauer	DATE: Hey, 18, 7005
SIGNATURE:	NAME: Kay Winterberg	DATE:
SIGNATURE:		DATE:

### **ASSIGNMENT**

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Sollentuna, Sweder	n, hereinafter individ	dually or collectively	y referred to as "A	Assignor";	
laws of Germany, h "Assignee", its succ and all foreign cour	naving its principal p cessors, assigns and ntries, in and to any	place of business at S legal representative	St. Martin Str. 53 s, the entire right its which are disc	erporation organized and existing under the series of the series of the series of the United States on the application for United States	tates
filed on A	pril 21, 2005	US. Serial	No. 11/111,461		
entitled: Ci	rcuit Arrangement f	for a Wideband Mixe	er with Predistort	tion and High Linearity	
Letters Patent which improvements; and	h have been or shall	l be filed in the Unite al and reissued paten	ed States and all i	wal, reissue, and all other applications for foreign countries on any of said en or shall be filed in the United States ar	
that, when requeste representatives, to o divisional, continuit execute all rightful successors, assigns, history thereof; and shall consider desir- vesting title to said	d, without charge to carry out in good fairing, substitute, renew oaths, assignments, and legal represent generally do everytable for aiding in se	but at the expense of th the intent and pur- val, reissue, and all of powers of attorney a satives, all facts know thing possible which curing and maintain all applications for p	of said Assignee, pose of this assignether patent applicand other papers; wn to the undersignee, it ing proper patent	or said improvements in its own name; an its successors, assigns and legal gnment, the undersigned will execute all cations on any and all said improvements communicate to said Assignee, its gned relating to said improvements an the its successors, assigns or legal representation for said improvements and for tents on said improvements. In said Assignents on said improvements, in said Assignents.	: : ives
mortgage, license o	r other agreement at	ffecting the rights an	d property herein	sentatives that no assignment, grant, no conveyed has been made to others by the seessed by the undersigned.	e
SIGNATURE:	NAME: Martin	n Friedrich		DATE:	
SIGNATURE:	NAME: Christ	tian Grewing		DATE:	

SIGNATURE:	NAME: Giuseppe Li Puma	DATE:
SIGNATURE:	NAME: Christoph Sandner	DATE:
SIGNATURE:	NAME: Andreas Wiesbauer	DATE:
SIGNATURE:	NAME: Kay Winterberg	DATE: 17-May-2005
SIGNATURE:	NAME: Stefan Van Waasen	DATE:

filed on April 21, 2005

INFINEON REF NO. \$3597 GC/aja MMB REF NO. 1890-0238

#### ASSIGNMENT

For good and valuable consideration, I, Martin Friedrich, a citizen of Germany, residing at Luisenstraße 71, 45892 Gelsenkirchen, Germany, Christian Grewing, a citizen of Germany residing at Kirchweg 6, 40489 Düsseldorf, Germany, Giuseppe Li Puma, a citizen of Italy, residing at Zechensu. 27, 44791 Bochum, Germany, Christoph Sandner, a citizen of Austria, residing at August-Jaksch-Str. 12, 9500 Villach, Austria, Andreas Wiesbauer, a citizen of Austria, residing at Sallacher, Str. 85, 9210 Pörtschach, Austria, Kay Winterberg, a citizen of Germany, residing at Donkring 27, 47906 Kempen, Germany, and Stefan Van Waasen, a citizen of Germany, residing at Bätsmansvägen 35, 19248 Sollentuna, Sweden, hereinafter individually or collectively referred to as "Assignor";

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entitled: Circuit Arrangement for a Wid	cband Mixer with Predistortion and High Linearity
and to said application and all divisional,	continuing, substitute, renewal, reissue, and all other applications is

US. Serial No. 11/111.461

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 all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

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 assignment, 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 an 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

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 has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE:	NAME: Martin Friedrich	DATE:	
SIGNATURE:	NAME: Christian Grewing	DATE:	

SIGNATURE:	NAME: Giuseppe Li Puma	DATE:
SIGNATURE:	NAME: Christoph Sandner	DATE:
SIGNATURE:	NAME: Andreas Wiesbauer	DATE:
SIGNATURE:	NAME: Kay Winterberg	DATE:
SIGNATURE:	NAME: Stefan Van Waasen	DATE: May - 3044 2005