WAI 2002014..1



11-19-2007



NOV 1 3 2007	LL)				MAIL S	TOP AS	SIGNMENTS	
TO THE COMMISSIONER O			· ·	ILY			4	
TO THE COMMISSIONER O	ETHELLS DA	10346; TENT & TRADEMA	∠U40 <u> </u>	- In the second	4		. Tegge E. Million	_
Sir:								
Please record the attach	ed original docu	iments or copy ther	eof as follows:					_
1. NAME OF CONVEYING P	ARTIES [ASSI	GNOR(S)]:	h Oliver Kienzle					
a. Rainer Knippelmeyer c. Thomas Kemen			b. Oliver Kienzle d. Heiko Mueller					
e. Stephan Uhlemann			f. Maximilian Haid	er				
g. Antonio Casares	>	. D.T. (((E.O.) A.T.T.A.O.)	h.					
ADDITIONAL NAME(S) OF (CONVEYING PA	ARTY(IES) ATTACK	HED! TES NO					
2. PARTIES [ASSIGNEE(S)]	RECEIVING IN	ITEREST:						
NAME: Carl Zeiss SMT AG								
ADDRESS: Carl-Zeiss-Stras		•	•	and				
9 Oppenheimer	Street, Rehovo	t, Israel 76707, res _l	pectively.					
ADDITIONAL NAME(S) & AD	DRESS(ES) A	TTACHED? YE	s ⊠no					
3. NATURE OF CONVEYAR	NCE/DOCUMEN	NT:						
ASSIGNMENT OF	<u></u>	IOLE or	PART INTEREST					_
☐ ORIGINAL ☐ CHANGE OF NAME		CSIMILE/PHOTOC RIFIED TRANSLAT						
SECURITY		RGER [OTHER:					
Execution Date(s) on the Cor October 10, 2007, October 18,			r 23 2007 Sentember	28 2007 O	ctober 5, 200	7 Octobe	er 2 2007	
Execution Date(s) on the Decoctober 10, 2007, October 18,	laration (if filed	herewith):						-
4. APPLICATION AND/OR I					sheets attach		YES NO	-
a. Application Number(s)	Matter No.	First Inventor	b. Patent Number				nventor	_
14/000 045	044040	Rainer			•			_
11/808,845	011816- 0066-999	Knippelmeyer, et al.		ļ				
5. NAME & ADDRESS OF F	PARTY TO WHO	OM	6. NUMBER OF P	ROPERTIE	S INVOLVE	D:		-
CORRESPONDENCE CO			Applns 1 +				otal: <u>1</u>	_
SHOULD BE MAILED:			7. AMOUNT OF F					
Customer No. 20583			Above Total <u>1</u>	_ x \$40 =	:\$ <u>40</u> (F	Fee Code	e 8021)	
Jones Day ntellectual Property Group			8. PLEASE CHAR	GE TO:				_
222 East 41st Street			DEPOSIT ACC					
New York, NY 10017-6702			Under Order No	•		-0066-99 ter No.)9	_
								
9. To the best of my knowl copy of the original doc		f, the foregoing in	formation is true and	correct ar	nd any attac	hed cop	y is a true	
10. TOTAL NUMBER OF PA	AGES (including	cover sheet, attac	chments and documen	ts): <u>5</u>				_
~ 17/			1	endy Chilbh).	inelelelele 58	503013	11868845	ĺ
sough & O	easis		/		40.00 DA	*******		
	gnature		- (82.10)		10000 BU			r
Name of Attorney: Doug Registration No. 47.85	las H. Pearson		Date: November	•	acsimile: (2	02) 626 -	1700	

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Ger Heio of t	WHEREAS, WE, Rainer Knippelmeyer, Oliver Kienzle, Thomas Kemen, Heiko Mueller, Stephan Uhlemann, Maximilian Haider, and Antonio Casares, ASSIGNORS, citizens of Germany, residing at Weisse Steige 32, 73431 Aalen, Germany; Magdelstieg 121B, 07745 Jena, Germany; Bischof-Fischer-Strasse 75/1, 73430 Aalen, Germany; Ortenauer Strasse 17, 69126 Heidelberg, Germany; Bahnhofstrasse 3, 69115 Ieidelberg, Germany; Pfarrgasse 20, 69251 Gaiberg, Germany and Sebastianstrasse 9/1, 73432 Aalen, Germany, respectively are the inventors of the invention in PARTICLE-OPTICAL SYSTEMS AND ARRANGEMENTS AND PARTICLE-OPTICAL COMPONENTS FOR SUCH SYSTEMS AND ARRANGEMENTS for which we have executed an application for a Patent of the United States						
	which is executed on \square even date herewith or \square						
\boxtimes	which is identified by Jones Day docket no. 011816-0066-999						
\boxtimes	which was filed on June 13, 2007, Application No. 11/808,845						
	We hereby authorize and request attorney(s),, at Jones Day, to insert here in parentheses (Application number, filed						

and WHEREAS, Carl Zeiss SMT AG and Applied Materials Israel, ASSIGNEES, are desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

) the filing date and application number of said application when known.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date Oct. 10	, 2007	Rainer KNIPPELMEKER	L.S.
Date	, 2007	Oliver KIENZLE	_ L.S.
Date	, 2007	Thomas KEMEN	_ L.S
Date	, 2007	Heiko MUELLER	_ L.S
Date <u>Sep. 28</u>	, , 2007	Stephan UHLEMANN	_ L.S
Date	, 2007	Maximilian HAIDER	_ L.S
Date	, 2007	Antonio CASARES	_ L.S

Ger Hei of t	onio Casares, ASSIGNORS, many; Bischof-Fischer-Strass delberg, Germany; Pfarrgasse he invention in PARTICLE-	citiza se 75/ 20, o OPTI	ens of Germany, residing a /1, 73430 Aalen, Germany; 69251 Gaiberg, Germany ar CAL SYSTEMS AND AR	th, Thomas Kemen, Heiko Mueller, Stephan Uhlemann, Maximilian Haider, and the Weisse Steige 32, 73431 Aalen, Germany; Magdelstieg 121B, 07745 Jena, Ortenauer Strasse 17, 69126 Heidelberg, Germany; Bahnhofstrasse 3, 69115 and Sebastianstrasse 9/1, 73432 Aalen, Germany, respectively are the inventors transportation of the United States
	which is executed on		even date herewith or	
\boxtimes	which is identified by Jones	Day	docket no. 011816-0066-999	9

and WHEREAS, Carl Zeiss SMT AG and Applied Materials Israel, ASSIGNEES, are desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

We hereby authorize and request attorney(s), , at Jones Day, to insert here in parentheses (Application number,

) the filing date and application number of said application when known.

which was filed on June 13, 2007, Application No. 11/808,845

 \boxtimes

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date	, 2007	·	L.S.
Date Octoba 18	, 2007	Rainer KNIPPELMEYER Oliver KIENZLE	L.S
Date OctoSev AA	,2007	Thomas Gemen Thomas KEMEN	L.S
Date	, 2007	Heiko MUELLER	L.S
Date	, 2007	Stephan UHLEMANN	L.S
Date	, 2007	Maximilian HAIDER	L.S
Date Oclober 2	, 2007	Antonio Casares	L.S

		ASSIGNMENT		
Antonio Casares, ASSIGNORS, cit Germany; Bischof-Fischer-Strasse 7 Heidelberg, Germany; Pfarrgasse 20 of the invention in PARTICLE-OP	izens of Germany, r 75/1, 73430 Aalen, C 0, 69251 Gaiberg, Go TICAL SYSTEMS	r Kienzle, Thomas Kemen, Heiko Muel esiding at Weisse Steige 32, 73431 Astermany; Ortenauer Strasse 17, 69126 ermany and Sebastianstrasse 9/1, 73432 AND ARRANGEMENTS AND PART executed an application for a Patent of	alen, Germany; Magdelstieg 12 Heidelberg, Germany; Bahnho Alen, Germany, respectively TICLE-OPTICAL COMPONEN	21B, 07745 Jena, fstrasse 3, 69115 are the inventors
☐ which is executed on ☐	even date herewi	th or		
⋈ which is identified by Jones Da	y docket no. 011816	-0066-999		
⋈ which was filed on June 13, 20	07, Application No.	1/808,845	•	
We hereby authorize and reque	est attorney(s),, at Jo application number of	nes Day, to insert here in parentheses of said application when known.	(Application number,	filed
and WHEREAS, Carl Zeiss SMT A to and under the said invention and t	G and Applied Mate the said application:	rials Israel, ASSIGNEES, are desirous	of obtaining our entire right, tit	tle and interest in,
the receipt of which is hereby acknown hereby sell, assign, transfer and set interest in, to and under the said in Patents of the United States which protection, including, without limitation any country or countries foreign priority rights derived from said U Protection of Industrial Property, or as may be applicable; and all forms and designs which may be granted reissues thereof; AND WE HEREBY auth	owledged, we, the said over, unto the said vention, and the said may be granted ther ation, all applications to the United States, inited States applicat any other internation of industrial propert for said invention in	um of One Dollar (\$1.00) to us in hand id ASSIGNORS, have sold, assigned, the ASSIGNEE, its successors, legal representation and all divises and all reissues and extensions the for patents, utility models, and design together with the right to file such application under the Patent Laws of the Unital agreement or the domestic laws of the yprotection, including, without limitate any country or countries foreign to the Commissioner for Patents and any Covidence or forms of industrial propertice.	ransferred and set over, and by sentatives and assigns, our entitions, renewals and continuation ereof; and all applications for its which may hereafter be filed plications and the right to claim ited States, the International Che country in which any such a tion, patents, utility models, invited United States and all extensions.	these presents do ire right, title and ins thereof, and all industrial property for said invention in for the same the convention for the polication is filed tentors' certificates ions, renewals and tries foreign to the
the same to the said ASSIGNEE, its	successors, legal repenant and agree that	resentatives and assigns, in accordance we have full right to convey the enti-	e with the terms of this instrume	ent.
AND WE HEREBY furth and assigns, any facts known to us continuing, reissue and foreign ap	er covenant and agre respecting said inve plications, make all	that we will communicate to the said ntion, and testify in any legal proceed rightful oaths, and generally do even and enforce proper protection for said in	ing, sign all lawful papers, exe rything possible to aid the sai	cute all divisiona
IN TESTIMONY WHER	EOF, We hereunto se	et our hands and seals the day and year	set opposite our respective sign	natures.
Date	, 2007			L.S.
Date	, 2007	Rainer KNIPPELMEYER		2.5.
Date	, 2007	Oliver KIENZLE		L.S.
Date	, 2007	Thomas KEMEN		L.S.
Date Sep. 23	, 2007	Heiko MUELLER	W.	L.S.
Date	, 2007	Stephan UHLEMANN		L.S.
Date	, 2007	Maximilian HAIDER		L.S.

Antonio CASARES

			ASS	IGNIZZIVI	
Gen Heid	onio Casares, ASSIGNORS, citiz many; Bischof-Fischer-Strasse 75 delberg, Germany; Pfarrgasse 20, ne invention in PARTICLE-OPT	zens of Germany, res 5/1, 73430 Aalen, Ge 69251 Gaiberg, Gen TCAL SYSTEMS A	siding at V ermany; O many and ND ARR	Thomas Kemen, Heiko Mueller, Stephan Uhlemann, Maxin Weisse Steige 32, 73431 Aalen, Germany; Magdelstieg Intenauer Strasse 17, 69126 Heidelberg, Germany; Bahnh Sebastianstrasse 9/1, 73432 Aalen, Germany, respectively ANGEMENTS AND PARTICLE-OPTICAL COMPONE an application for a Patent of the United States	121B, 07745 Jena, ofstrasse 3, 69115 y are the inventors
	which is executed on	even date herewith	or		
\boxtimes	which is identified by Jones Day	docket no. 011816-0	066-999		
\boxtimes	which was filed on June 13, 200				
	We hereby authorize and reques) the filing date and a	et attorney(s),, at Jon application number of	es Day, t said appl	o insert here in parentheses (Application number,ication when known.	filed
and to a	WHEREAS, Carl Zeiss SMT AC and under the said invention and the	G and Applied Materine said application:	als Israel,	ASSIGNEES, are desirous of obtaining our entire right,	title and interest in,
herrinte Pati pro in a price as r and reis	receipt of which is hereby acknown by sell, assign, transfer and set of the self, assign, transfer and set of the self, assign, transfer and set of the self in th	wledged, we, the said over, unto the said A ention, and the said I nay be granted there ion, all applications it to the United States, it is any other internationa of industrial property or said invention in a crize and request the ue patents or other evolutions of the said invention in a crize and agree that we greement in conflict is a covenant and agree the respecting said inventions and agree respecting said inventions.	ASSIGN SSIGNES Jnited States on and all for patents ogether wo number of the protection any count Commiss vidence of esentative we have finere with.	Dollar (\$1.00) to us in hand paid, and other good and value IORS, have sold, assigned, transferred and set over, and be its successors, legal representatives and assigns, our entressues and extensions thereof; and all applications for so, utility models, and designs which may hereafter be file with the right to file such applications and the right to claim the Patent Laws of the United States, the International ent or the domestic laws of the country in which any such an including, without limitation, patents, utility models, in ry or countries foreign to the United States and all extensioner for Patents and any Official of any country or countries for industrial property protection on applications are and assigns, in accordance with the terms of this instrumental right to convey the entire interest herein assigned, and will communicate to the said ASSIGNEE, its successors, it is the contribution of the said and a lawful papers, extension and any legal proceeding, sign all lawful papers, extension and any legal proceeding, sign all lawful papers, extension and any legal proceeding, sign all lawful papers, extension and the said and any legal proceeding, sign all lawful papers, extension and the said and any legal proceeding, sign all lawful papers, extension and the said	by these presents do natire right, title and ons thereof, and all industrial property d for said invention im for the same the Convention for the application is filed, eventors' certificates sions, renewals and natires foreign to the saforesaid, to issuement. In that we have not degal representatives recute all divisional,
suc	ntinuing, reissue and foreign app ecessors, legal representatives and	lications, make all rassigns, to obtain and	ightful of lenforce	aths, and generally do everything possible to aid the s proper protection for said invention in all countries.	aid ASSIGNEE, its
	IN TESTIMONY WHERE	OF, We hereunto set	our hand	s and seals the day and year set opposite our respective sig	gnatures.
Ľ	Pate	, 2007	Daine	T KNIPPELMEYER	L.S.
			Kaine	KIMI I ELIMETEK	
г	Date	, 2007			L.S.
-		,	Olive	r KIENZLE	
I	Date	, 2007	771	as KEMEN	L.S.
			Inom	as KEMEN	
Ţ	Date	2007			L.S.
		, = 00.	Heiko	MUELLER	
I	Date	, 2007	G. 1	an UHLEMANN il 1	L.S.
	ř –	_	Steph	all Official Ann	
T	Date J. Oct. Zo	2007	1	A 11-21 (L.S.
1	Jan	, 2007	17.	LIK- HAIDED	

Page 1 of 1

Antonio CASARES